

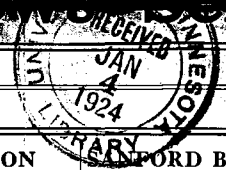
The University of Minnesota

Official News Reports of The State University to the People of the State of Minnesota

VOL. 1, NO. 1

Published Every Other Week by the University of Minnesota

NOV. 11, 1922



UNIVERSITY TO SERVE NEWSPAPERS OF STATE

The University of Minnesota this year has established an All-University News Service, with the purpose of supplying newspapers in Minnesota and elsewhere, magazines, and periodicals of every kind with accurate information regarding the University of Minnesota and its varied activities.

In taking this step Minnesota has only followed the lead of a score or more of other important universities and colleges, including practically all of the universities in the western conferences.

Thomas E. Steward, who has had 12 years of experience on newspapers and in publicity work, most of it in Minneapolis, has been appointed editor of the new service.

"I wish to make it particularly clear that the University of Minnesota News Service is a service venture, not an effort to spread propaganda," Mr. Steward said relative to his new work. "The people of Minnesota, who support the university by the taxes they pay, are entitled to be kept informed of the interesting and valuable work that goes on there. This we shall endeavor to do. Regular news bulletins will be sent to all Minnesota newspapers, which are free to use them without credit of any kind. If newspapers wish some special service, it will be provided them insofar as time and other duties permit."

It was made clear that a special effort to provide the various Minnesota papers with news of local importance to their communities will be made by the new University of Minnesota News Service.

URBAN UNIVERSITIES TO MEET AT MINNESOTA

The University of Minnesota has been chosen as the first state university ever to be awarded the honor of entertaining the Association of Urban Universities, which will meet on the main campus Nov. 23, 24 and 25. Dr. L. D. Coffman, president of the University of Minnesota, also is president of the association this year.

The Association of Urban Universities is made up of higher institutions of learning situated in large population centers. Minneapolis was chosen for this year's meeting, officers have pointed out, because of the success with which the University of Minnesota has met problems arising from the location of a large university at a center of population. The fact that the college of agriculture also has met such success at a point near two large cities also has drawn the attention of the association.

Besides President Coffman, officers of the association are: Vice president, Winfred G. Leutner, dean of Western Reserve university; secretary and treasurer, Frederick B. Robinson, dean of the College of the City of New York.

New N. P. Bridge Goes Up

Work is progressing rapidly on a new Northern Pacific railway bridge across the Mississippi river near the University of Minnesota. The new bridge was made necessary by plans to remove the Northern Pacific tracks from the university campus. A right of way for the Northern Pacific is being constructed just north of the university, paralleling the Great Northern tracks from the river to a point three quarters of a mile to the eastward.

Graduate of '92 Directs Campaign

Lyman L. Pierce, a graduate of the University of Minnesota in the class of 1892, has been on his old campus for a month past directing the Memorial Auditorium-Stadium campaign. Mr. Pierce left last week for his home in California, but will return in January to make plans for carrying the campaign to alumni and friends of the university throughout Minnesota and the nation.

NEW BUILDINGS PROGRESS ON CAMPUSES

Financed by money already voted by the legislature for the University of Minnesota's comprehensive building program, the new university library is rapidly taking shape on the campus. When completed it will fill amply the needs for study of all students at the university, something that the old library has not done for years.

The main reading room will have seating capacity for 1,000 students, so no student need go to class with an excuse of inability to use the library if he is unprepared to recite.

Although work is progressing rapidly, the building can not be completed in time for use next year. When finished it will be the second largest building belonging to the state of Minnesota. F. K. Walter, now serving his second year as university librarian, will be in charge.

Other buildings now going up at the University of Minnesota include a new mines experiment station and an addition to the Minnesota Union, headquarters for men students. Work will be started soon on a new building to house the electrical engineering department. Across the street from Folwell hall the Minneapolis Y.M.C.A. is erecting a University branch that is expected to be ready in the spring.

The regents recently authorized construction of a new dairy building on the college of agriculture campus. The present dairy building will be remodelled to serve other needs of that college.

The new library stands just south of the Northern Pacific right of way which the university has purchased and which will be removed. It will face the "mall" or central avenue of the new campus as it is being developed under the comprehensive building program.

"U" NOW PROVIDING DORMITORIES FOR MEN

The University of Minnesota is providing dormitory facilities for men students this fall for the first time.

A rate of \$40 a month for room and board has been made possible by skillful planning in the management of three houses on University avenue, near the campus, according to Mrs. Mary Staples, who has charge of the rooming bureau. There are accommodations for 40 young men, all of which are taken.

Six per cent of the income is paid to the University of Minnesota as interest on its investment, 12 per cent is set aside to cover depreciation of furniture and equipment. Expenses for food, help and incidentals take up the rest of the receipts, leaving the service on practically a cost basis.

Mrs. Staples has announced that if the service shows a profit at the present price, cost per month to students will be reduced, as there is no intention of making money from the venture. Men students room in each of the four houses, but meals for all are served in one house.

Despite an increase in student enrollment at the University of Minnesota this fall, there has been less room shortage than in past years, due in part to more moderate rentals, Mrs. Staples announced.

Towns Send Freshmen "Grid" Stars

Many Minnesota communities have sent freshmen to the University of Minnesota this fall who have won important positions on the freshman football squad and who will be in line for a place on the varsity squad as sophomores next fall.

Among these are the following: Kenneth Bourquin, White Bear; I. G. Hanke, St. Louis Park; Fred Just, Mankato; R. Froning and W. Gallien, Tower; Ralph Holmberg and Peter Karon, Duluth, Stephen La Du, Mankato; Harold Fritz, Lewiston; W. Kiersek, Duluth; Fritz Peterson, Tower; J. L. Staples, St. Louis Park.

ALUMNI PLEDGE AID IN MEMORIAL CAMPAIGN

Alumni of the University of Minnesota and friends of that institution throughout the state and nation will be given an opportunity next spring to subscribe to the fund for a memorial auditorium and stadium for which students and faculty members last week pledged themselves to give \$647,000.

It is the belief of the Greater University Corporation, a group of prominent alumni who have incorporated to manage the campaign, that thousands of men and women will willingly take part in the erection of a memorial to Dr. Cyrus Northrop, former president, and to the war dead of Minnesota. The auditorium will commemorate Dr. Northrop, the stadium, Minnesota men who fell in battle.

Supporting Resolution Adopted

Pertinent to that campaign, alumni from all parts of the state gathered at the university on Homecoming Day and adopted the following resolution: "Whereas, the university's great need of an auditorium and a stadium is unquestioned, and has long been recognized by all friends of the university; and

"Whereas, the students, faculty, and employees of the university have just now subscribed \$650,000 towards the erection of the Northrop Memorial auditorium and the stadium, which will be a memorial to the men who in past times have sacrificed their lives for the principles of American liberty, now, therefore, be it

"Resolved, that in view of this magnificent challenge to the alumni and friends of the University of Minnesota, we as representatives of these groups, do hereby promise to carry the message of this achievement to every corner of the land, and pledge our vigorous support to carrying on the campaign to secure the funds necessary to complete these buildings."

Names of Committee Members

An inclusive alumni committee representing the entire state and alumni groups throughout the nation has been formed, members of which will act as leaders of next spring's campaign in their respective communities. The members are: Howard T. Abbott, Duluth; Charles E. Adams, Duluth; Ward Ames, Duluth; Sewall D. Andrews, Minneapolis; William Anderson, Minneapolis; Caswell A. Ballard, Moorhead; C. P. Barnum, Minneapolis; Mrs. William Bennett, St. Paul; Dr. Egil Boeckmann, St. Paul; Dr. George S. Bauer, Minneapolis; James Beals, St. Paul; George K. Belden, Minneapolis; James Ford Bell, Minneapolis; Dr. William F. Braasch, Rochester; Will Brown, Minneapolis; Ruth Haynes Carpenter, Minneapolis; Dr. G. E. Campbell, Pasadena, Cal.; Kenneth Cant, Duluth; Joseph Chapman, Duluth; Ray Choline, Anoka; Homer Clark, St. Paul; Caroline Crosby, Minneapolis; President L. D. Coffman, University of Minnesota; George C. Christenson, Virginia; Wall G. Coapman, Milwaukee, Wis.; Vera Cole, Minneapolis; James D. Denegre, St. Paul; Albert Dickinson, St. Paul; Lewis S. Diamond, Minneapolis; Charles Dickerman, Duluth; Dr. J. W. Diedrich, Bemidji; Florence Donohue, Hibbing; Mrs. J. F. Downey, Minneapolis; Mary Dwyer, St. Paul; Roy Ferner, Washington, D. C.; Elizabeth Fish, Minneapolis; Douglas A. Fiske, Minneapolis; Carl H. Fowler, New York City; Dr. William Frost, Spokane, Wash.; B. B. Gislason, Minnesota; L. S. Gillette, Minneapolis; Gustav Golsteth, Jamestown, N. D.; F. R. Grant, Shenectady, N. Y.; Richard Griggs, Duluth; Mrs. D. F. Gosin, Minneapolis; David Grimes, Staten Island, N. Y.; Mrs. W. I. Gray, Minneapolis; Sigmund Harris, Minneapolis; J. M. Harrison, Minneapolis; William Hoyt, Duluth; D. B. Inglis, Minneapolis; Charles G. Ireys, Minneapolis; A. W. Johnson, Albert Lea; E. B. Johnson, Minneapolis; Fred R. Johnson, Detroit, Mich.; Charles F. Keyes, Minneapolis; W. F. Kunze, Minneapolis; W. C. Leary, Minneapolis; George B. Leonard, Minneapolis; Dr. C. B. Lewis, St. Cloud; Horace Lowry, Minneapolis; John F. McGov-

CAMPUS POPULATION RISES TEN PERCENT

Attendance at the University of Minnesota is 10 per cent greater this year than last, not including the great increases that have taken place in the numbers enrolled in extension and correspondence courses, according to a statement by R. M. West, registrar, giving enrollment on Oct. 28, 1922. In collegiate courses there are 8,586 students, compared with 7,838 at the same time a year ago. This year's figure is 748 larger than that of last.

Notable among the increases has been that in the college of education, the duty of which it is to train teachers for the high schools of Minnesota and superintendents and principals for Minnesota public schools. Attending the college of education this year are 983 students, 384 more than last year. Never before in the history of the University of Minnesota has it been able to come so near to filling the state's needs for advanced public school teachers, according to President Coffman.

The school of business, so called although it is of strictly collegiate rank, is drawing more students each year, and this year it has 210 members, compared with 148 a year ago. In the medical college the gain has been from 331 a year ago to 448. The school for nurses also has shown a marked increase, attendance there rising from 101 to 179.

The college of mines and the college of law showed decreases in attendance under 1921.

Numbers attending each collegiate department at the end of October were as follows: War specials, 185; academic college, 3424; engineering and architecture, 997; agriculture, forestry, and home economics, 761 (not including farm schools); law school, 264; medical school, 448; school for nurses, 179; college of dentistry, 394; dental hygienists, 31; school of mines, 134; school of chemistry, 124; college of pharmacy, 137; college of education, 983; school of business, 210; graduate school, 532; total, 8803. Duplicates, 217; corrected total, 8586.

In addition to these, the several schools of agriculture and the University high school have a combined attendance of 1075. In evening extension courses there are 2621 students, in correspondence courses 956, making a total of 3586 in extension and short courses. The net grand total of attendance at the University of Minnesota and its subsidiary institutions is 13,180.

ern, Minneapolis; William L. Miller, Winona; George R. Martin, St. Paul; H. C. Mackall, Minneapolis; Walter L. Mayo, St. Paul; Daniel W. Myers, Cleveland, O.; J. E. Meyers, Minneapolis; George W. Morkau, St. Paul; Arnold Oss, Minneapolis; Dr. Harold J. Nelson, Fergus Falls; Dr. A. H. Nobbs, San Francisco; L. A. Page, Minneapolis.

Additional Committeemen

George H. Partridge, Minneapolis; L. L. Pierce, San Francisco; Victor G. Pickett, Waseca; E. B. Pierce, Minneapolis; William Pearce, Faribault; Alfred F. Pillsbury, Minneapolis; John S. Pillsbury, Minneapolis; Edward A. Purdy, Minneapolis; Dr. Walter R. Ramsey, St. Paul; John H. Ray, Minneapolis; Ralph H. Rawson, Portland, Ore.; N. R. Ringdahl, Shakopee; Mrs. J. C. Rodda, Minneapolis; F. C. Shenon, Minneapolis; T. S. Slen, Madison, Minn.; H. L. Stoner, Detroit, Minn.; Arthur R. Rogers, Minneapolis; Frank G. Saxe, Austin; Theodore Sanders, Jr., St. Paul; F. B. Snyder, Minneapolis; Charles L. Sommers, St. Paul; W. L. Stockwell, Fargo, N. D.; Russell H. Stafford, Minneapolis; Dr. T. L. Stickney, Minneapolis; Sigurd Swenson, Minneapolis; Dr. John Thabes, Brainerd; Reuben G. Thoren, Stillwater; John N. Thelen, Great Falls, Mont.; Mrs. Fred Tryon, Minneapolis; T. F. Wallace, Minneapolis; Alvah H. Warren, Jr., St. Paul; Mrs. Frank Warren, Minneapolis; Robert W. Webb, Minneapolis; and W. F. Webster, Minneapolis.

MARIA SANFORD BIOGRAPHY READY FOR ALUMNI

To commemorate the remarkable life work of Maria L. Sanford, one of Minnesota's great women, for many years assistant professor of rhetoric at the University of Minnesota, members of the General Alumni association have had prepared a life story of Miss Sanford, which will be ready for distribution within a few weeks.

The book is one that Miss Sanford started as an autobiography, but which was never completed, although she was at work on it at the time of her death. As it is coming from the presses, but one chapter, the first, is entirely her own work. The remainder has been written by Miss Helen Whitney, also formerly an assistant professor of rhetoric at the university.

Miss Whitney was delegated to complete the biography about a year ago, a task which she completed recently.

Graduates of the University of Minnesota in all parts of the state have been asked by E. B. Pierce, alumni secretary, to watch for the appearance of the book.

"It will be their one opportunity to gain possession of one of the most valuable bits of Minnesota history yet produced," he said. "We are directing production of this book as a service to graduates, not with any thought of profit. If there are profits, they will be set aside as the beginning of a fund from which eventually a memorial to Miss Sanford can be financed.

The book, entitled, "Maria Sanford," has the recommendation of J. M. McConnell, commissioner of education, for public school use in teaching patriotism and Minnesota history. Miss Gratia Countryman, librarian of the Minneapolis public library, also has recommended it for acquisition by libraries.

Publications Have Joint Home

This year for the first time, student publications at the University of Minnesota have been brought together in a single building. Completion of the new music building left the former music hall available. It now contains the offices of the Gopher, student annual; the Minnesota Daily, the campus newspaper, and Ski-U-Mah, the university monthly magazine. The department of journalism and the new University of Minnesota News Service also are housed in the building, which now is called the Publications building.

University Student Honored

Hildreth Harrison, class of 1922, has been awarded a Carnegie Fellowship in international law, with special permission to remain at the University of Minnesota for his studies. The fellowship usually is accompanied by a requirement that the recipient study abroad. Permission for Harrison to remain at Minnesota for his graduate work is a recognition of the excellence of the courses in international law given at the University of Minnesota under Professor Quincy Wright.

University of Minnesota News Service

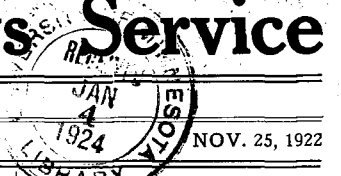
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Address all communications to
Thos. E. Steward, Editor,
105 Publications Bldg.,
University of Minnesota, Minneapolis, Minn.



BRILLIANT STUDENTS TO BE PRIVILEGED

Students at the University of Minnesota who have won honors will be given the privilege at the University of Minnesota of substituting courses of reading for their elective subjects during the junior and senior years, with full credit allowed them upon completion of a satisfactory examination, Dean J. B. Johnston of the college of science, literature and the arts announced this week.

Purpose of the new policy is to permit students having a special aptitude along some line to specialize in such studies unhampered by the relatively slower progress of other students in regular classes.

"We have been striving for some time to give students increased opportunities for intellectual growth," Dean Johnston said, "and to let students with certain aptitudes have opportunities for rapid progress in their chosen lines."

The policy of permitting individuals to follow their own bent in specialized reading courses is one which is prevalent in many foreign universities, but which American institutions have seldom adopted.

MINNESOTA SCHOLAR'S "BEOWULF" PRAISED

From Yale, Johns Hopkins University, University College, London, and from the great universities of Scandinavia and Germany, congratulations have been pouring in on Prof. Frederick Klaeber, University of Minnesota, in recognition of his new edition of "Beowulf," the Anglo-Saxon work universally used in the study of that language.

Prof. Klaeber's volume was published recently by D. C. Heath and Company, and has achieved wide use as a text.

Among the foreign universities from which he has received letters of congratulation are the University of Heidelberg, University of Leipzig, University of Kiel and University of Berlin, all in Germany; University of Lund, Sweden; University of Manchester, England, and University College, London.

J. B. Johnston, dean of the college of science, literature and the arts, at the University of Minnesota, describes the Minnesota professor's volume as "a case of conspicuous scholarly production of the sort that reflects great credit on the University of Minnesota."

By Professor W. J. Sedgwick of the University of Manchester, Prof. Klaeber's book is called the "ultimate edition." "I have received your edition of Beowulf so long looked forward to," he wrote. "It is a wonderful book, the 'ultimo editio' I should think; what we have always wanted."

From Yale, Prof. Albert S. Cook wrote: "I wish to offer my heartiest congratulations on your monumental edition of Beowulf—a piece of work which would do honor to any of the illustrious names in Germanic scholarship. The mere industry and breadth of knowledge you display are something to marvel at, not to speak of the ingenuity, the judgment and the good taste."

"Your 'Beowulf' is a most creditable opus," wrote Professor R. W. Chambers of Johns Hopkins University, "transcending in merit all previous editions by modern editors. I congratulate you most heartily on the completion of this important task. Your book must be reviewed in 'Modern Language Notes.'"

Dr. Klaeber is professor of comparative and English philology, and head of that department in the University of Minnesota. His home is in Minneapolis.

Student Swimming Tests Outlined

Every student in the University of Minnesota is required to show ability to swim in tests conducted by Niels Thorpe, swimming coach. First semester tests require a demonstration that the student can swim 40 yards. The test for the second semester is much more rigid. It requires ability to swim 80 yards, to demonstrate the back stroke and two other standard strokes, to plunge 35 feet for distance and to make a surface dive in 8 feet of water and bring up an object weighing 25 pounds. The student must also show ability to rescue a human being and to tow him in good form for at least 60 feet.

UNIVERSITY HEADS STRESS EDUCATION

That educators are spending too much time discussing standards and not enough on education as an agent in preparing the youth of the country for democracy and civilization was a general feeling at the meeting of the National Association of State Universities, President L. D. Coffman, University of Minnesota, said last week on his return from Washington, D. C., where the meetings were held.

"Representatives of the many universities seemed convinced," he said, "that state institutions are as much obligated to provide a democracy of culture as they are to provide an aristocracy of brains."

"One of the many interesting discussions was that relative to methods of determining college admission, on which Dean C. E. Seashore of the University of Iowa read a paper. He recommended use of intelligence tests in addition to reports from secondary schools and the actual records of the students, but asserted that the intelligence tests should be used as a basis for classifying rather than for eliminating students.

"The purpose of intelligence tests," President Coffman said, "is not to enable a faculty to find more satisfactory ways of saving and stimulating those students who are having difficulty with their lessons."

MINNESOTA SPIRIT BOOMS ON "U" CAMPUS

Students at the University of Minnesota are manifesting this fall a spirit of loyalty to their state and its university such as has not been seen in years on the twin campuses. Enthusiasm aroused by the growth and steady progress of the institution, the Stadium-Auditorium memorial fund campaign, and the change from a losing to a winning football team is sweeping the entire student body of more than 8,000.

"A remarkable thing about the present situation is the fact that the new spirit is so contagious," said E. B. Pierce, secretary of the general alumni association. "Minnesota alumni have always shown a keen interest in the university, but never have they been so eager for news, so willing to help in university projects as this fall."

The spread of Minnesota's new fighting spirit in athletics is attributed on the campus to the hold Fred W. Luehring, new director of athletics, and "Bill" Spaulding, head football coach, have on the students at the university. Luehring commands the hearty good will and liking of every undergraduate and alumnus, as well as of faculty members. Spaulding's now well known slogan of "Minnesota Fights" has struck resounding response.

With such able assistants as T. N. Metcalf, Leonard Frank, Arnold Oss, Blaine McCusick and the other assistant coaches, the Gopher football team is working to regain its place as the most feared team in the western conference. The Spaulding policy of giving every man a chance and developing the largest possible squad means realization of the football ambitions of two or three times as many men as ever won their way in past years.

Maslon, '20, Honored at Harvard

Samuel H. Maslon, a graduate of the University of Minnesota in the class of 1920, has been recommended by the dean of the Harvard law school for the position of secretary to Justice Louis Brandeis of the United States Supreme Court. The recommendation is tantamount to appointment and is considered a signal honor of the former Minnesota student's abilities.

Yost's Last Game at Northrop

The Minnesota-Michigan football game on Northrop Field, Minneapolis Saturday, Nov. 25, was the last game by a Michigan team coached directly by "Hurry Up" Yost, famous veteran coach at the Ann Arbor school. Yost has announced his retirement as active coach. He will assume the position of athletic director.

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DEAN CALLS RURAL DOCTORS HANDICAPPED

Small rural communities that are without the services of a physician should form a cooperative association or some similar organization through which they can assure a practitioner enough income to live on satisfactorily, Dean E. P. Lyon of the medical college, University of Minnesota, said recently in an address delivered at New York University. He recommended establishment of community hospitals.

The seeming scarcity of physicians, he said, is rather an uneven distribution of physicians. Young graduates of medical colleges hesitate to go to country places unless they can have there such proper aids to practice as hospitals and laboratories.

Dean Lyon said that state aid to small communities in obtaining the services of a physician would be as logical as state aid in the maintenance of their schools.

Student internship in a hospital, a feature of medical education in which the University of Minnesota is a recognized leader, was discussed by Dean Lyon, who also described the Minnesota plan of requiring a year's internship after graduation before the medical diploma is awarded. Minnesota established this requirement first among all medical colleges in 1916. It since has been followed by 11 other medical colleges.

He advocated a liberal curriculum, having a fair amount of elective work, and showed how such a course had stimulated individuality, responsibility and research at the University of Minnesota.

The University of New York, before which Dean Lyon spoke, is not a teaching body, but is the name for the educational department of the state of New York.

"U" HEALTH SERVICE URGES VACCINATION

The week Nov. 15 to 22 was set aside by the health service, University of Minnesota, as vaccination week. All students who had not been vaccinated within a reasonable time before this year were urged to call at the health service office and submit to vaccination against smallpox. The campaign was conducted by Dr. W. P. Shepard, who explained that there was nothing compulsory about the vaccination, but said that it was a wise precaution.

"Assuming that no one of 8,000 students had been vaccinated, and that an epidemic of the old form of virulent smallpox were to appear," he said, "all but 400 would contract the disease. Of the 7,600 who had it, 1,824 would die."

Figures on the number of those who submitted to vaccination are being compiled.

Experts May Choose "Marty"

Earl Martineau, star halfback of the University of Minnesota football team is being given general consideration for a position on the All-American and All-Western "mythical" football teams. One of the consequences is a huge demand for pictures of the Gopher star from papers which always print pictures of the "All" selections.

FOOTBALL SQUAD KEEPS MAJORITY OF VETERANS

Otis McCreery, halfback, L. J. Gallagher, substitute end, and Lloyd S. Mitchell, one of the fullbacks, are the only members of the University of Minnesota football team who will be lost next spring by graduation, according to statistics presented when the team went to Iowa City to play the University of Iowa.

McCreery comes from Cedar Falls, Iowa; Gallagher from Feribault, and Mitchell from Minneapolis.

Other members of the 1922 football team, with their college, class, and the place from which they come are as follows: Donald Sinclair, Stephen, Minn., academic 1925; George Abramson, Virginia, Minn., academic 1925; J. F. Furst, New Prague, Minn., academic 1925; George Larkin, Minneapolis, academic 1925; W. H. McCart, Jr., Minneapolis, academic 1925; George Myrum, Worthington, academic 1925; Cyril S. Olson, Minneapolis, academic 1925; C. M. Rollit, Feribault, academic 1925; Karl Schjoll, Minneapolis, academic 1925; Ted Cox, St. Paul, academic 1926; Raymond Eklund, Minneapolis, agriculture 1925; Chester J. Gay, Moose Lake, agriculture 1925; Earl T. Martineau, Minneapolis, agriculture 1924; Fred Oster, Minneapolis, agriculture 1925; Fred H. Grose, Minneapolis, business 1924; E. C. Merrill, Minneapolis, business 1924; Lloyd W. Peterson, Willmar, engineering 1924; Stuart V. Willson, St. Paul, engineering 1925; Louis A. Gross, Minneapolis, engineer 1925; Oliver Aas, Minneapolis, law 1925; Hugh H. McDonald, Billings, Mont., law 1925; R. E. Hultkrans, St. Paul, medicine 1926.

"Bill" Spaulding, head football coach, will have a squad of veterans when football season reopens next fall, and he is planning now to make the most of it.

"It must not be thought, however, that there is to be no place on the team for new men," Spaulding said recently. "The team on which players have their positions 'cinched' is likely to be a loser, and we at Minnesota are out to fight and win. I hope every high school and preparatory school player in Minnesota will watch the progress of the Minnesota team and give serious consideration to the idea of trying to make it when he has finished school. There is always going to be a place here for the energetic, willing, fighting type of player. Any one who comes to Minnesota is going to have an equal chance with anyone else, after the freshman year, to win an "M" on the Northrop Field gridiron. Remember, too, that in a year or so, it will be the new stadium instead of the present field."

Members of the cleanup committee expect to obtain pledged of many thousand dollars from the upwards of 1,900 students who remain to be seen. The four days campaign in which the need for an auditorium and a stadium first was placed before students and faculty netted pledges of \$647,000, payable over a period of five years.

Dean Guy Stanton Ford, head of the graduate school, University of Minnesota, represented that institution at the twenty fourth conference of the Association of American Universities, Baltimore, Md., Nov. 9, 10, and 11.

President L. D. Coffman, University of Minnesota, attended the meetings of the National Association of State Universities, held in the Hotel Willard, Washington, D. C., Nov. 13 and 14.

Stadium Fund Campaign Continues

A committee of 100 students has been appointed to wind up the campaign among University of Minnesota students for contributions to the memorial Auditorium and Stadium fund. During the first week following completion of the main campaign, approximately \$10,000 was obtained in pledges from persons not reached during the drive itself. Members of the cleanup committee expect to obtain pledged of many thousand dollars from the upwards of 1,900 students who remain to be seen. The four days campaign in which the need for an auditorium and a stadium first was placed before students and faculty netted pledges of \$647,000, payable over a period of five years.

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INCREASE STUDY BY MAIL OPPORTUNITIES

Correspondence courses given by the University of Minnesota have been increased this year to a point where the student who can not take up residence on the campus can do the major part of the work required for a degree by attending summer sessions and studying by correspondence during the winter months, according to Prof. William C. Smiley, acting head of the correspondence study department. On Oct. 28 of this year 956 persons of all ages, scattered throughout many parts of Minnesota, were studying in one or another of the 195 courses enumerated in the bulletin.

Not only are there courses of actual college grade, but preparatory courses are offered, acceptable in some cases for admission to the University of Minnesota or for credit in some school of lower grade in Minnesota. In addition to these, the extension division offers a group of vocational courses carrying no college credit, which may be taken by those who lack the requirements for beginning university work. Only those who have met college entrance requirements can take work for college credit.

Students are allowed to enter a correspondence course at any period of the year, but the University can not guarantee that every course will continue during the summer months, when instructors have vacations.

"The developments of the last few years have clearly demonstrated the effectiveness of and necessity for university teaching by correspondence," says the 1922-23 bulletin of the department, just issued. "The foremost American universities have recognized this opportunity for specific service by extending their work beyond the lecture room and campus. Teaching by correspondence has become a part of the state educational system and has broadened it so that it now makes education possible to every person who is willing to make the effort to get it."

Instructors in the correspondence courses are teachers from the various faculties in the university who are in charge of similar courses in residence and who are familiar with the needs of non-resident students.

Among the many subjects taught by correspondence are accounting, astronomy, business law, economics, education, engineering, English, French, German, history, Italian, mathematics, music, Norwegian, philosophy, physics, political science, psychology, radio work, rhetoric, Scandinavian, social service, sociology, and Spanish.

Vocational courses include two in foremanship, bookkeeping, shop mathematics, mechanical drawing, elementary mechanics, strength of materials, electricity and magnetism, alternating current, heating and ventilating, shop arithmetic, boiler room practise, engine room practise, machine design, lumber and its uses, foundry practise and radio communication.

Neither resident students at the University of Minnesota nor students at any other institution of learning are permitted to take correspondence courses in the extension division.

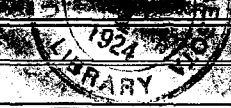
Instructors in the correspondence department number 49, of whom 30 are of professorial rank.

Student Engineers Meet

Roy Olson, Chicago, Ill., is president of the University of Minnesota student branch of the American Institute of Electrical Engineers, which held its first meeting of the present season last week. Clifford Sampson, Minneapolis, is secretary. Lloyd Reely, treasurer, and Wayne Feeny, Mt. Vernon, S. D., chairman for publicity.

Two Debate Teams Chosen

Carl B. Munck of Melrose, Minn., has been chosen leader of the University of Minnesota debate team that will meet the University of Illinois team at Minneapolis Dec. 15. Other members are Leon Lutscher, Minneapolis; Llewellyn Pfankuchen, Minneapolis; and Herbert F. Sorenson, Dawson, Minn. Members of the Minnesota team that will debate Iowa at Iowa City the same night are: Walter Johnson, Alvin, R. Johnson, Wheaton, Minn.; Charles B. McDonald, St. Paul, and Ralph Levine, Duluth.



MINNESOTA MINERS DELVE IN 21 LANDS

From Yankee Jim's Canyon, Cal., to Angola, Portuguese West Africa—through South Porcupine, Ont., to Kirin City, China, and from Hibbing to no less an address than Compania Minera el Sacramento, S. A., Mina, Mexico, Dto. Sahuariapa, graduates of the school of mines, University of Minnesota, are at work to win from the earth her coal and her oil, her minerals and metals, iron, gold, silver, copper, tin, zinc, and precious stones.

Minnesota mines graduates are in Burma, famous for its oil fields; in Peru, home of the celebrated Cerro de Pasco copper mines; in Chile, rich in many minerals. They are helping in the discovery and extraction of oil in Panama, Venezuela, Mexico, Africa, and many parts of the United States. One of them is employed by the New York and Rosario Honduras mining company, owner of one of the most famous silver mines known to man, a mine from which silver production has yielded annual dividends on its stock longer, probably, than any other. They are employed by gold mining companies of the famous Rand, whence England draws the gold that enables her to make payments on her debt to the United States. Near Lake Maracaibo, in Venezuela, once a favored hiding place for pirates of the Spanish main, they are helping American capital find petroleum. The list might be continued indefinitely.

All this is revealed in a little booklet, formal and prosaic looking, recently turned out by the University of Minnesota printshop. It is entitled: "The Bulletin of the University of Minnesota—Graduates of the School of Mines—Vol. XXV, No. 43, 1922." It is "entered as second-class matter," but addition of a little imagination to its reading makes it first-class matter with an old-fashioned punch. With cinematic speed the reader is transported from one to another of the great mining fields, regions that always have centered a vast segment of the world's commerce.

Considering what it started out to be, and what it represents itself as being, Vol. XXV certainly puts on a lot of speed before reaching its 86th and final page.

Silver City, N. M., Quartzburg, Idaho, and Marble, Minn., runs the mineralogical nomenclature of the towns shown on a single page as the homes of Minnesota school of mines graduates.

Without disturbing Sinclair Lewis, it might be whispered that a Minnesota miner works at Babbitt, Minn. Coppermount, Alaska, and Bocas del Toro, in Panama, have their Minnesota miners.

Out of a list of 298 graduates of the University of Minnesota school of mines, 37 or nearly 12 1/2 per cent are employed in foreign countries.

In this book are listed the individual records of nearly every graduate of the school of mines with whom contact has been maintained. Their careers are outlined in skeleton form. As an example, take the outline sent in by Karl P. Swenson, who was graduate in 1907 and has been at work long enough to furnish a typical case. Here it is: "Draftsman, Steptoe Valley Mining & Smelting Co., McGill, Nev.; surveyor and draftsman on city work for L. M. Karl, civil engineer, El Paso, Tex.; draftsman and construction engineer, Cia Minera de Penoles, Mapimi, Durango, Mexico; construction engineer, Big Stick Gold Mining Co., Haynes, Ariz.; with E. A. Haggerty, consulting mining engineer, Los Angeles, Cal.; with C. A. P. Turner, consulting engineer, Minneapolis; professor of mining, Imperial Polytechnic College, Nanking, China; engineer, F. W. Horne Co., Toyko, Japan; oriental manager, Allied Machinery Co. of America, New York."

On the other hand, more graduates of the school of mines live in Minneapolis than in any other one town, a total of 42. Hibbing is second with 15, St. Paul third with 12, and Duluth, Eveleth and Bisbee, Ariz., are tied for third. There are seven of the Minnesota miners in each.

FALL "EXAMS" HOLD STAGE DEC. 16 TO 20

Final examinations for the fall quarter at the University of Minnesota will begin Saturday, Dec. 16, and continue through Wednesday, Dec. 20. The Christmas holiday will start at 5:20 p.m. Wednesday and will last until Thursday, Jan. 4, when classes will be reopened at 8:30 a.m. Registration of new students, entering at the beginning of the winter quarter, has been set for Tuesday, Jan. 2.

Arrival of the winter quarter will usher in the year's longest period of uninterrupted hard work, as there will be but two holidays, Lincoln's birthday, Feb. 12, and Washington's birthday, Feb. 22.

With football out of the way and with weather conducive to indoor life and application to books, the average student "gets in his best licks" during the midwinter months, according to a consensus of opinion among faculty members. Spring vacation will begin this year on Friday, March 23.

MARTINEAU AWARDED AN "ALL" POSITION

Earl Martineau, brilliant Gopher halfback, has been placed on every first team selection of an "All Conference" eleven yet announced by sport writers and may receive a place on one of the mythical "All-American" football teams. One sport writer outside the twin cities also has placed Oliver Aas, Minnesota captain and center, on his All-Conference selection. Ray Eklund, left end, and Otis McCreery, halfback, have been other members of the Minnesota team to be honored by sports writers, along with Ted Cox, left tackle, who was injured early in the season and had no chance to show his full capabilities.

Walter Ekersall, sports writer for the Chicago Tribune, placed Martineau at halfback on his first team, saying:

"Earl Martineau of Minnesota is awarded the other halfback position. Like Williams and Kipke, he was handled roughly in every game, but always came through with his share of offensive and defensive play. Like Kipke, he is a three-way man, his forward passing and open field running always making him a respected player. If it had not been for this player, the Gophers would not have had such a successful season."

Ekersall mentioned McCreery as another of the best halfbacks of the year and Aas as one of the ranking trio of centers, along with King of Chicago and Heldt of Iowa. He made Eklund end on his third team.

One Day Thanksgiving recess

Only the single day, Thursday, was granted as a Thanksgiving vacation at the University of Minnesota this fall. Classes during the first quarter had been interrupted by vacations on election, armistice and homecoming days and two class hours were lost on account of the campus Auditorium-Stadium campaign.

Basketball Floor Attracts Stars

Four Minnesota first string football men have answered the call to basketball practice sent out by Dr. L. J. Cooke, basketball coach. They are "Rudy" Hultkrans, who was a substitute at halfback; Eklund, end; "Cy" Olson, another halfback, and Earl Martineau. Martineau is a newcomer on the basketball floor. Ted Cox and Louis Gross, other first string football men, are expected to appear later for basketball. Severinson, one of last year's stars, has not yet appeared on the floor. The eligibility committee is soon to make a report on seven basketball men whose standings have been placed before them.

Governor Addresses Students

Governor J. A. O. Preus was the speaker at an All-University convocation in the Armory, University of Minnesota, on State Day, Dec. 7. Observation of state day is an annual event at the university.

University of Minnesota News Service

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This official news service of the University of Minnesota is published every other week at Room 103, Publications Building, Main Campus, Minneapolis, Minn., under authority from the board of regents and the president.

Its purpose is to inform the people of Minnesota of the progress and progressing accomplishments of their state university, its students, administration, and faculties.

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Address all communications to
Thos. E. Steward, Editor,
103 Publications Bldg.,
University of Minnesota, Minneapolis, Minn.

MAY ENTER COURSE FOR NURSES JAN. 4

Nursing, like teaching, appeals to a woman because it is an expression of the natural functions of womanhood, said an announcement sent out this week by Miss Marion Vannier, acting superintendent of nurses at the Elliot Memorial hospital, University of Minnesota, in which she called attention to the fact that a new class will be entered in the school for nurses on Jan. 4, the beginning of the winter quarter.

The school for nurses, she explained, admits entrants at each quarter, as it continues throughout the entire year on a four quarters basis. Already 12 young women have registered to enter the school Jan. 4. After that the next date for admission will be April 3, at the opening of the spring quarter.

"The rearing of children, the care of the sick, the relief of suffering, the protection of health are essentially women's work," said her announcement. "Women are always the chief agents of human betterment."

There is a definite urge of their own nature toward such a vocation as nursing, but there is an invitation, too. The profession gives to all newcomers an invitation to service, to positions of consequence, and to the adequate compensation these positions offer. In recent years nursing has developed large possibilities. Private nursing, hospital nursing, institutional nursing, visiting nursing are all services of relief to the sick. But opportunity does not end here. Public school nursing, rural community nursing, infant and child welfare work, industrial nursing are agencies of preventive medicine. These things mean not only making but keeping people well. These mean the making of better boys and girls, better men and women."

The University of Minnesota, she explained, offers two nursing courses. One is of five years' duration, including two years in the academic college, two in the school of nurses and one in advanced nursing study. The three-year course, which one may enter without the two years of academic work, prepares for private duty and hospital nursing, but not for advanced work in the nursing profession.

Two Hundred Will Graduate

More than 200 students from all colleges of the University of Minnesota will be graduated Dec. 14 at a special commencement convocation. They are students who have completed their work with the expiration of the fall quarter. Dr. Hugh Cabot, dean of the school of medicine, University of Michigan, will deliver the address. Diplomats will be presented by Fred B. Snyder, chairman of the board of regents. The school of medicine will graduate more members than any other college, according to R. M. West, registrar, due to the fact that medical students stay at work during the summer quarters and consequently graduate at the end of odd quarters during the year.

GOPHERS SCHEDULE FOUR "BIG 10" GAMES

Minnesota will take the field against four Western Conference teams when the battle for football supremacy is renewed next fall, F. W. Luehring, director of athletics, announced upon his return from the schedule meeting in Chicago.

In order, Wisconsin, Northwestern, Iowa, and Michigan will be the teams which the Gophers will meet. From six, they have reduced their series of conference games to four. Indiana and Ohio, which have played a three and a two game series, respectively, with Minnesota, will not be played.

Minnesota has four open dates on the 1923 football schedule as a result of the Chicago meeting. These are October 6, 13, and 20, and November 10. Games with non-conference teams will be arranged for at least three of these dates.

Followers of athletics at Minnesota have expressed satisfaction with the reduction in the number of conference games, as Minnesota this year had the hardest schedule in the west, going against strong teams for four successive weeks before reaching their week of rest just before the clash with Michigan.

Only two of the conference games will be on Northrop Field, those with Northwestern, Nov. 3, and with Iowa, Nov. 17. The Iowa contest will be on homecoming day. The Gophers will play Wisconsin at Madison Oct. 27, and Michigan at Ann Arbor Nov. 24 in the final game of the year.

Nothing came of the rumors that Minnesota might resume football relations with either Chicago or Illinois. Either game would have been popular on the campus, but there were too many complications in the various schedules to make the arrangements possible.

RURAL HEALTH NOT ALWAYS BEST—DIEHL

Contrary to popular belief, students coming from rural districts in Minnesota are somewhat less healthy than those who grow up in the larger population centers.

This is the deduction Dr. H. S. Diehl, director of the Students' Health Service, University of Minnesota, and his assistants have made as a result of comparing statistics based on examinations at the Northwest School of Agriculture, Crookston, and those at the University main campus. More than 50 per cent of the students on the main campus are from the twin cities and nearby.

"It was the opinion of the examiners that students from rural homes seen at agricultural school show in a most astonishing manner the evidences of early neglect in the matter of infant, school, personal and community hygiene," said the report.

During the examination of 135 students at Crookston, a total of 365 defects were noted, averaging 2.7 defects per student. Of these 165 were minor, in some cases no more than a need for vaccination, in which treatment was optional; 165 were moderately severe, in which treatment was necessary, and 33 were severe, with treatment urgent.

The physicians employed by the Students' Health Service treat students with slight or moderate ailments, and send those with severe ailments to consult their family physicians.

Prof. van Roosbroeck Honored

Gustave L. van Roosbroeck, professor of romance languages in the University of Minnesota, has been elected secretary for the United States of the modern Humanities Research association, an international body devoted to furthering research and advanced studies in modern languages and literature. Leading educators and scholars in the principal countries of the world are members.

E. P. Lyon, dean of the school of medicine, University of Minnesota, has been named first vice president of the Minnesota Public Health Association.

DEMAND FOR TEACHERS OUTSTRIPS "U" OUTPUT

Although the college of education, University of Minnesota, has grown from an enrollment of 79 students in 1911-1912 to one of 878 students during the present quarter, it still is able to supply only 28 per cent of the annual demand by Minnesota secondary schools, principally high schools, for teachers, according to M. E. Haggerty, dean of the college. The college of education, he said, is now the largest senior college in the university. Senior colleges are those in which the work is taken by members of the junior and senior classes.

In no year, he said, has the college of education been able to meet the state's demand on it for trained teachers for secondary schools. Furthermore, he said, although the present rate of growth will give the college of education an enrollment of 1800 by 1927 and a population by 1933 of 2,750 students, it still will be unable to turn out as many high school teachers as the institutions in the state of Minnesota will require. By the latter year, he said, the state will need 1,395 new secondary school teachers. Last year, with a demand of 876, the college of education gave teachers' certificates to 244.

One in every five persons in Minnesota is going to school in some way, he said, pointing out the need for careful study of means to meet the great demand for skilled teachers that inevitably results.

"By common consent," Dean Haggerty said in a report to the board of regents, "this enormous enterprise of public education is democracy's effort to perpetuate itself, to establish the kind of civilization most desirable for our people, and to protect our future against degeneration and decay."

"To this great enterprise the University of Minnesota holds the peculiar relationship of being the responsible agency for training the leaders upon whose shoulders its development rests. The university's responsibilities in this matter have been greatly multiplied in recent years because of the increasing complexity of educational problems, and because, through investigation and research, there has been developed a wholly new body of information which public school people must have in order to master their problems. The public is looking to the university for larger service in these matters, and school people are coming here in rapidly increasing numbers for training."

"Last year students came to the University of Minnesota from fifty institutions of the rank of junior college and above in order to pursue advanced work, and our advanced classes are almost as crowded as are those for elementary students."

Dean Haggerty told the regents he would prefer to postpone enlargement of the college of education physical plant until the time was propitious for giving it a building that really would meet all of its needs.

EDITORS OF ANNUAL OPEN SALES DRIVE

This year's "Gopher," the University of Minnesota annual published by the junior class, will be a memorial number, with a large special section devoted to the proposed university Auditorium, which will be a memorial to Cyrus Northrop, late president emeritus, and to the Stadium, a memorial to Minnesota men who have died in the service of their country.

Work on the 1924 Gopher, so called because it is published by the Class of 1924, has been started six weeks earlier than usual, according to Bernard Jones, managing editor.

Justin Hayes, business manager, has issued a call for alumni who wish copies of the Gopher to notify him as soon as possible, as estimates on the cost and size of the issue can not be made until a close approximation of the number of subscriptions has been received. Practically all of the 1,300 members of the junior class have subscribed.

MUNICIPAL LEAGUE CALLS LAW MEETING

Officers of 177 Minnesota cities, towns and villages have been invited by the league of Minnesota Municipalities to attend its meeting at which legislative needs and desires of Minnesota communities are to be discussed in St. Paul, Friday, Jan. 26. The meeting will be in the St. Paul City Hall, according to Charles P. Hall, chairman of the legislative committee, and Prof. M. B. Lambie, secretary.

In addition to invitations sent to the 177 member communities, every Minnesota community, whether a member or not, has been urged to send a representative. Legislative problems of particular importance to towns and villages will be gone over.

Provisions making it possible for voters to register at any time during the year, extending the zoning act to extend to cities of the second, third and fourth classes and amendments to state highway and prohibition enforcement legislation aimed at giving towns a share in the receipts from fines on convicted drivers among the items prominently scheduled.

Other matters to be placed before the league include these:

"To apply Section 50 of the highway act of 1921 to villages and cities.

"To authorize cities and villages to appropriate money for the payment of dues in the League of Minnesota Municipalities and for the payment of expenses of representatives to the league's meetings.

"To amend Chapter 522 of the General Laws of 1921 to provide for reimbursing cities that have paved portions of the Babcock system subsequent to the passage of the law.

"To validate the bond issue of \$150,000 authorized by the last legislature for public improvements in the city of Duluth.

Other policies, adopted at the annual meeting in Crookston, include maintenance of present rights to regulate public service utilities and extension of these rights; reduction of publication requirements on home rule charter amendments; adjustment of gross earnings tax distribution; increased vigilance and cooperation to reduce crime; enforcement of all criminal legislation, including prohibition laws; simplification of procedure in municipal and village bond issues, and support of the state insurance department's plan for fixing initial insurance rates.

Members of the league, which is conducted by the University of Minnesota, are the communities themselves, represented by their officials.

STATE LEGION BOARD ENDORSES MEMORIAL

The department of Minnesota American Legion, has endorsed and volunteered assistance in the campaign for a Minnesota Memorial to take the form of an Auditorium and Stadium at the University of Minnesota. Gerald V. Barron, department commander, has informed E. B. Pierce, alumni secretary at the University.

The resolution, passed by the department executive committee, is as follows: Resolved—That the Minnesota department of the American Legion endorse the proposed Minnesota Memorial at the University of Minnesota, which is not only a memorial to the late President Emeritus Cyrus Northrop, but is also a memorial to the soldier dead in the world war; also

That a committee be appointed by the department commander to cooperate actively with the Greater University Corporation in the drive for funds for this memorial, and that our bulletin and news service be placed at the disposal of this committee during the progress of this drive."

Sigurd Swensen, chairman of the committee named, is commander of the University of Minnesota post of the American Legion. Other members are Fred McCarthy, St. Paul; Stafford Kinz, state adjutant, St. Paul; Walter P. Quist, Minneapolis, and E. I. D. Larson, editor of The American Legionnaire, Minneapolis.

MAKE COUNTY BASIS OF SCHOOL TAX-SWIFT

Abandonment of the school district as the basis of taxation for supporting elementary and secondary schools in Minnesota, and substitution of the county as the unit in financing is strongly recommended by Prof. Fletcher H. Swift, college of education, University of Minnesota, in a volume on school financing in California and Colorado which he has just completed.

By making such a change, he writes, Minnesota would do more to advance the cause of education than could be accomplished by any other one step.

Professor Swift's book is one of four which he has ready for publication, dealing with school finances in the four major sections of the United States, the West, the South, the Northwest, and the East. According to Dr. L. D. Coffan, president of the University of Minnesota, that institution is becoming a national center for the study of school finance as a result of Professor Swift's work.

"A comparison of California and Minnesota shows the former state to have a great advantage over Minnesota in raising school money," said Professor Swift. California determines in advance the amount of money elementary and secondary schools will need, and provides that sum. Minnesota, on the other hand, takes a certain sum of money and divides it as best she can. By the Minnesota method, one cannot tell whether the sum is going to meet the requirements or not. Minnesota school aid, for example, goes to the various districts on the basis of the number of children who attend for at least 40 days of the school year. But this can not be known in advance. California, on the other hand, knows what each school district will get from the state and how much from the county. The state must provide \$700 a year for each elementary school teacher and the county must provide an equal sum.

"Minnesota, furthermore, allows the school district to raise money and divide it among the schools in any way those in authority see fit. In California the elementary schools must be school to be maintained, the high school district and the county each must levy a high school tax. The county must produce \$60 for every pupil in average daily attendance and the state must match this with an additional \$30."

Professor Swift recommended also adoption by Minnesota of the California system of levying a uniform high school tax on all districts that do not support a high school, and distributing this money to pay tuition of students from those districts when they go elsewhere to attending a high school.

Members of the league, which is conducted by the University of Minnesota, are the communities themselves, represented by their officials.

MINNESOTA TEST MILL LARGEST IN COUNTRY

Minnesota maintains the largest and best equipped mill in the world for testing the flour making qualities of wheat according to Prof. C. H. Bailey of the University of Minnesota, director and manager of the mill. The testing mill, which is in Minneapolis, has been in operation for two years, and during that time has been devoted almost exclusively to experiment with hard spring wheat.

No effort at quantity production is made at the state testing mill as its purpose is to investigate wheats, not to turn out flour.

"The Minnesota testing mill is maintained by the state for the benefit of the public and of the milling industry," Professor Bailey said. "Results of the experiments add to the value of the wheat the farmer sells, of the by-products for cattle feeding and improves the quality of the flour eaten by every resident of Minnesota."

"While our first consideration is the quantity and quality of flour produced, the by-products have an important bearing that must be recognized in determining the intrinsic value of the grain in the experiments."

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FALL "U" GRADUATES DESIGNATED BY CITIES

The following students were among those graduated from the University of Minnesota at the completion of the fall quarter:

Faribault

Donald Grant Batcheller of Faribault was among those who received the bachelor of arts degree at the fall quarter commencement, University of Minnesota.

Farmington

Marion Frances Day of Farmington received the bachelor of arts degree at the fall quarter commencement, University of Minnesota.

Lake City

Helen Jeanette Deupster received the bachelor of arts degree at the fall quarter commencement, University of Minnesota.

Stillwater

Rachel Wilson of Stillwater received the degree of bachelor of arts in music at the fall quarter commencement, University of Minnesota. Robert Frithjof Gaalaas was graduated as bachelor of science in agriculture.

St. Peter

Dr. Ernest J. Colberg added the degree of bachelor of science to his other degrees at the fall quarter commencement, University of Minnesota.

Hutchinson

Harry Hamilton Cooke of Hutchinson received the bachelor of science degree from the University of Minnesota at the fall quarter commencement. Alvah Henry Jensen was granted the same degree.

Willmar

Russell H. Frost of Willmar was among those who received the bachelor of science degree at the fall quarter commencement, University of Minnesota.

Rochester

John Hargreaves of Rochester was among those who received the B.S. degree at the fall quarter commencement, University of Minnesota.

Heron Lake

Herman J. Just of Heron Lake received the bachelor of science degree at the fall quarter commencement, University of Minnesota.

Dassel

Chester Jerome Olson, Dassel, received the bachelor of science degree at the fall quarter commencement, University of Minnesota. Harold Wesley Carlson was granted the degree bachelor of medicine. Upon completion of one year of work as an interne he will receive the M.D. degree.

Spring Valley

Emmett LeRoy Schield of Spring Valley was granted the bachelor of science degree at the fall quarter commencement, University of Minnesota.

Clarkfield

Melvin Vik, Clarkfield, was granted the bachelor of science degree at the fall quarter commencement, University of Minnesota. His home is in Clarkfield.

Madelia

Melvina F. Palmer of Madelia received the degree of bachelor of science in nursing at the fall quarter commencement, University of Minnesota.

Albert Lea

Chester Justin Dock, Albert Lea, was graduated from the University of Minnesota with the degree of bachelor of science in engineering at the fall quarter commencement.

Appleton

Ida Adelia Brusteson of Appleton received the degree of bachelor of science in home economics at the fall quarter commencement, University of Minnesota.

Anoka

Margaret Gillis of Anoka received the degree of bachelor of science in home economics at the fall quarter commencement, University of Minnesota.

Detroit

Esten Hendricks of Detroit was graduated from the University of Minnesota course in agriculture at the fall quarter commencement with the degree of bachelor of science in agriculture.

Moorhead

Philip Franklin Eckman, Moorhead, received the degree of bachelor of medicine at the fall quarter commencement, University of Minnesota. After a year's internship he will become an M.D.

Hastings

Louis P. Hiniker received the degree of bachelor of medicine at the fall quarter commencement, University of Minnesota. He will receive the M.D. degree after one year as a hospital interne.

St. Peter

Alfred Leonard Lindberg, St. Peter, was among those who received the degree of bachelor of medicine at the fall quarter commencement, University of Minnesota. Recipients of this degree are granted the M.D. degree after completing one year of internship in an accredited hospital.

New Ulm

Harold George Reineke and Harold D. Nagel received the degree of bachelor of medicine at the fall quarter commencement, University of Minnesota.

Center City

George Arthur Paulson of Center City received the degree of bachelor of medicine at the fall quarter commencement, University of Minnesota.

Gary

Agnes Elizabeth Bragestad received her diploma as a graduate nurse at the fall quarter commencement, University of Minnesota.

Browns Valley

Joseph Osgood Barrett, Browns Valley, received the degree of bachelor of science in chemical engineering at the fall quarter commencement, University of Minnesota.

Glencoe

Catherine Child Tift, Glencoe, received the degree of bachelor of science in education at the fall quarter commencement, University of Minnesota.

Duluth

Adolph Franklin Broman, Duluth, received the degree of bachelor of science in business at the fall quarter commencement, University of Minnesota.

Butler, Pa.

Katherine Howard Gillespie of Butler received the degree of bachelor of arts at the fall quarter commencement, University of Minnesota.

Mason City, Ia.

Frances Harding Arthur, Mason City, received the degree of bachelor of science at the fall quarter commencement, University of Minnesota.

Bombay, Ind.

Vasant S. Gupte, Bombay, received the degree of bachelor of science from

METCALF AWARDS 24 FRESHMAN NUMERALS

Freshman numerals for proficiency in football have been awarded to 24 University of Minnesota men of the class of 1926 by T. N. Metcalf, freshman coach. He also has awarded honorable mention to an additional 22 players.

According to F. W. Leuhring, director of Athletics, the freshman material, all of which will be available to Coach Spaulding for the varsity squad next fall is of high quality. Every position on a football team is represented in the group of 24 to whom the numerals were awarded.

Fred Just, end, Rapidan; Herman Ascher, half, Minneapolis; Donald Bennett, guard, Minneapolis; Paul Biener, half; Kenneth Cheese, end, Minneapolis; Ted Comfort, guard, St. Paul; A. Erickson, guard, Minneapolis; Bill Foote, quarter, Minneapolis; Walter Gruenhagen, end, St. Paul; Peter Guzy, quarter, Minneapolis; George Hagen, tackle, Minneapolis; Irwin Hanke, tackle, St. Louis Park; Ralph Holmberg, fullback, Clouet; Mike Carron, half; Steve LaDue, Mankato; Carl Lidberg, half, Red Wing; George Wachen, fullback, Minneapolis; Mark Matthews, tackle, Minneapolis; Herb Milavetz, end, Virginia; Chuck Morris, end, Minneapolis; Art Netman, guard; Paul Rhoades, tackle; Ronald Robertson, fullback, Austin; and Herbert Swanbeck, center, Minneapolis.

Coach Metcalf awarded honorable mention to C. L. Apitz, St. Paul; J. C. Ballentine, Minneapolis; T. E. Berman, Minneapolis; W. B. Bourquin, White Bear Lake; E. J. Broderick, Minneapolis; M. A. Cless, St. Paul; J. A. Featherstone, Wallace, Idaho; H. J. Gilman, Minneapolis; G. N. Greenhaig, Minneapolis; R. L. Gray, Arcota; W. C. Jergens, Hutchinson; P. H. Johnson, Excelsior; H. J. Kelly, Devils Lake, N. D.; G. C. Gronick, St. Paul; G. C. Lee; J. F. Lewis, St. Paul; H. C. Murphy, Anoka; H. L. Mack; I. R. Nathanson, St. Paul; A. T. Ofstie, Minneapolis; L. W. Rubien, and John Towler, Minneapolis.

the College of Science, Literature, and the Arts, University of Minnesota, at the fall quarter commencement.

Huron, S. D.

William Hugh Griffith, Huron, S. D., received the degree of bachelor of science at the fall quarter commencement, University of Minnesota.

Sheldon, Ia.

Helen Maurine Pynchen, Sheldon, Ia., received the degree of bachelor of arts at the fall quarter commencement, University of Minnesota.

Lynden, Wash.

Sheldon H. Stuurmans, Lynden, Wash., received the bachelor of arts degree at the fall quarter commencement, University of Minnesota, Minneapolis, Minn.

Fargo, N. D.

William Park Tarbell received the degree of bachelor of science in civil engineering, and Fred Eugene Ball that of bachelor of medicine at the fall quarter commencement, University of Minnesota.

Rapid City, S. D.

Oliver Earl Nelson, Rapid City, received the degree of bachelor of medicine at the fall quarter commencement, University of Minnesota.

Clinton, Ia.

Ralph Edward Moyer, Clinton, received the degree of bachelor of medicine at the fall quarter commencement, University of Minnesota.

River Falls, Wis.

Norval Haddow, River Falls, received the degree of bachelor of medicine at the fall commencement, University of Minnesota.

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BASKETBALL LEADERS HAIL FROM 11 TOWNS

Eleven Minnesota communities, including the twin cities, are represented on the basketball squad from which Dr. L. J. Cooke, basketball coach, is working to whip into shape a winning University of Minnesota team for the approaching conference season. Little Falls is the only place outside the twin cities to have two men on the squad, Frank Lewis, candidate for guard, and Austin Grimes, one of the center candidates.

Other squad members are: L. H. Van-cura, Lakefield; Tom Canfield, St. Paul; Herbert Wolden, Minneapolis; W. W. Foote, Minneapolis; Roy Williams, Balator; Louis Segal, Minneapolis; E. R. Jounson, Waseca; Cyril Olson, Minneapolis—all candidates for forward; Grant Bergsland, Red Wing; Robert Sullivan, Minneapolis; Frank Lewis, Little Falls; Victor Dunder, Two Harbors; Donald Sinclair, Stephen; George Abramson, Virginia; R. J. Christgau, Austin—candidates for guard; Cyril Pesek, Minneapolis; Austin Grimes, Little Falls; Willard Becker, Minneapolis; H. R. Winter, Minneapolis; Paul H. Thur, Minneapolis—candidates for center.

"Rudy" Hultkranz and "Ted" Cox, both football men, are out of the basketball competition because of injuries, and Rey Eklund, another star in both games, can not play the floor game because of inability due to scholastic difficulties. Tatham, a fast guard on last year's freshman team, and Severinson also are kept from playing by the same trouble as Eklund's.

"Condition, willingness, speed, and fight are valuable assets in any game, and many a team with little else save athletic sense, has pulled through a hard season creditably." Dr. Cooke said in a recent statement to the alumni.

Remaining games on the Minnesota basketball schedule are as follows: Jan. 20, Wisconsin at Minnesota; Jan. 29, Iowa at Minnesota; Feb. 2, Illinois at Minnesota; Feb. 10, Minnesota at Chicago; Feb. 12, Minnesota at Michigan; Feb. 17, Minnesota at Indiana; Feb. 19, Minnesota at Illinois; Feb. 22, Chicago at Minnesota; Feb. 26, Minnesota at Iowa; March 3, Minnesota at Wisconsin; March 10, Indiana at Minnesota.

EARLY CARE OF ILLS CUTS HOSPITAL RATIO

Increasing attention to petty ailments and diseases in the early stages of development has decreased the need for hospital care of resident students at the University of Minnesota. H. S. Diehl, director of the student health service, said recently. By caring more thoroughly for mild troubles, he said, serious illness is decreased.

Although the number of cases treated by the students' health service has increased from 11,000 in 1920 to 14,000 in 1922, the number of patients admitted to the health service hospital increased only from 292 to 298 in the same period. This is a decrease, Dr. Diehl pointed out, as the University of Minnesota enrollment has increased 20 per cent in the same period.

Following the figures further, he showed that the number of days spent in the hospital by all students fell from 1124 in 1920 to 1033 in 1922. If the number of days had increased in ratio with the increase in student population there would have been 1826 in 1922.

The number of cases treated, exclusive of dental cases, was 11,000 in 1920, 10,660 in 1921, and 14,000 in 1922. In the first of the three years between 1000 and 2000 were vaccinations due to the fact that there was an outbreak of smallpox on the campus that year.

The students' Health Service has just finished giving physical examinations to between 300 and 400 men students who entered the University of Minnesota for the first time at the beginning of the winter quarter. All new students are examined as soon as they enter.

These figures, Dr. Diehl pointed out, have no bearing on the University hospital proper, nor its needs, but are a reflection of student health and its care by the general university authorities.

REPAIR RADIATORS, GAIN HEAT-ROWLEY

Householders whose homes are less warm than they might wish are summoned by Prof. F. B. Rowley, University of Minnesota, to drop the coal shovel and take up the paint brush.

Experiments conducted in the experimental engineering department at the university show, he said yesterday, that the kind of paint on the radiator can affect the total heat produced by as much as 20 per cent. By painting a gilded or silvered radiator a plain black, white or green, using lead or zinc paint, the amount of heat it gives off by radiation can be increased 33 1/3 per cent, Professor Rowley said.

"Flake aluminum or bronze paint cuts down radiation," he said. "By using the ordinary paints, much better results can be obtained."

Radiators, he went on to explain, distribute heat by two means, by radiation, a direct transfer of heat into the room, and by convection, or the spreading of heat by the warmed air that passes over the radiator. To determine the effect of paint on radiation he rigged an apparatus that did away with convection entirely.

The radiator was placed in a tank capable of being made a vacuum. This tank then was immersed in water and the air pumped out of it. The radiator was heated from an electric boiler and the heat loss measured. First one kind of paint was applied, then another. The variations were measured.

No matter how many coats of paint there may be on a radiator, it is only the outside coat that counts in radiation, Professor Rowley explained. Underneath it may be gaudy silver or bronze-gold, but by sleeping on an outer coat of red, black, white, or red, white and blue, the heat distribution will be boomed.

Experiments to test the heat loss through various kinds of wall material are now under way. Preparations also are being made to determine how storm sash should be put on to reduce heat transmission from within to a minimum.

"U" NOW INSTRUCTS RADIO FANS BY MAIL

Radio fans in all Minnesota communities, especially in those where technical instruction is not available, have been invited to participate in the course in radio instruction by correspondence now being offered by the correspondence division of the University of Minnesota's general extension division. According to W. C. Smiley, correspondence director, the course has been offered to meet the special need of those who wish to understand the fundamental reasons for radio activity and telegraph and telephone communication by radio. G. W. Swenson of the electrical engineering college has written the correspondence course. It covers the subject in 16 lessons. The student's work is sent to the instructor for correction as each of the lessons is completed.

NEW FINNISH GRAMMAR UNIVERSITY PRODUCT

A Finnish grammar, said to be the only work of its kind in the English language, has recently been published by Mr. Clemens Niemi, a member of the department of anthropology at the University of Minnesota. Mr. Niemi also has published recently a small volume entitled "The Americanization of the Finnish People in Houghton County, Mich." It discusses, among other things, characteristics of the Finns, who were among the early immigrants to this country. The first colony of Swedes to come to the United States, who settled near Philadelphia about 1627, included many Finns, the book points out.

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This official news service of the University of Minnesota is published every other week at Room 105, Publications building, Main Campus, Minneapolis, Minn.

Its purpose is to inform the people of Minnesota of the activities and progress-aiding accomplishments of their state university, its students, administration, and faculties.

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Address all communications to Thos. E. Steward, Editor, 105 Publications Bldg., University of Minnesota, Minneapolis, Minn.

UNIT STUDENT COST IS CUT IN 1922-23

The average gross cost of giving a student of college rank a year of education at the University of Minnesota was \$329 in 1920-'21, \$341 in 1921-'22, and \$314 in 1922-'23, according to a compilation made public last night by J. J. Pettijohn, assistant to the president. The increased cost in the second of the three years mentioned was due to the fact that in that year the work in some university departments was brought up to the new economic level after suffering through the war period and early postwar years, Mr. Pettijohn said.

These figures, he explained, do not represent cost to the taxpayers, which is about \$50 per student less, the difference being made up by permanent university funds, federal aid, and donations.

"In determining cost of instruction," said Mr. Pettijohn, "salaries and wages, supplies and general expenses, together with building maintenance were the things taken into account."

Capital outlay has been excluded from the figure as it varies so greatly from year to year that no exact comparison could be made. It would add, however, about \$29 a year to the cost per year of maintaining a student at the University.

The total number of collegiate students in attendance during the entire year, rather than the number present at any given time was used as the basis. Mr. Pettijohn predicted that this figure will mount as high as 12,000 for the present year before the third quarter is completed.

Because of the investigative and experimental work necessarily conducted by some colleges and schools, only part of the money spent by them can be set down as cost of instruction, he said. For example, only 20 per cent of the money spent by the college of agriculture is for the actual instruction of students of collegiate grade. Again, the school of mines and the mines experiment station carry on work for the state tax commission, for the federal government, and conduct peat fuel and ores investigations for the benefit of the state, but not always directly connected with actual teaching.

Figures given by Mr. Pettijohn were an average. The range in colleges is from \$219 per student in the college of arts to \$461 per student in the college of medicine and \$590 in the college of agriculture.

REPORTS PUBLISHED OF SCHOOL SURVEYS

A survey of the school building needs of the city of Winona, together with recommendations as to the future policy of that city, has just been published by Prof. Mervin G. Neale of the college of education, University of Minnesota. This is one of three such surveys made during the past year by Prof. Neale, of which the third, for Austin, Minn., is now in the hands of the printers. It will be ready for distribution in about a week. The first of the series, the Duluth survey, has been ready for distribution for three weeks. In making these surveys Professor Neale was assisted by Sigurd B. Severson, assistant in educational administration, University of Minnesota.

UNIVERSITY ASSISTS NATIONAL SKI MEET

The Athletic department of the University of Minnesota is co-operating with the Odin club of Minneapolis and the Municipal Ski club in preparing for the National Ski Tournament to be held in Glenwood Park, Minneapolis, Feb. 11 and 12, for which invitations to all amateur skiers in Minnesota and the other northwestern states have been extended.

The tournament will be the largest outdoor athletic gathering ever staged in Minnesota in the wintertime according to B. G. Leighton, general manager of the tournament. Ski experts from all parts of the United States and Canada, from Scandinavia, Switzerland and, possibly, from Czechoslovakia are expected to take part in the meet. A French skier may also attend.

Officials of the tournament have urged particularly that men of Scandinavian descent in Minnesota who have been familiar with the ski from boyhood and who are experts on the slide and jump enter their names as participants.

The University of Minnesota will participate through a number of individual entries in the intercollegiate skiing events on Feb. 10. Universities and colleges throughout the country and in Canada have been urged to send entries. The original idea that a dual meet between two universities could be arranged, has been given up, but entrants from any accredited institution will be welcomed. There also will be interscholastic events to which skiers from Minnesota high schools have been heartily invited.

The Odin club, an organization whose members are of Scandinavian descent, has guaranteed the tournament against monetary loss to the extent of \$2,000. It is believed, however, that no payment will have to be made. E. J. Lee, J. D. Holm and J. N. Berg are the Odin club's committee members.

SWIMMING BOOMS IN MINNESOTA SCHOOLS

A national survey of swimming in high schools and colleges will be made during the coming year by the swimming rules committee of the National Collegiate athletic association, F. W. Luehring, director of athletics at the University of Minnesota, announced recently. Minnesota high schools, Mr. Luehring predicted, will figure prominently in the results, as more high schools in Minnesota than in any other state took up swimming during the past year. He is now serving his second year as chairman of the swimming rules committee and will direct publication of the swimming handbook.

In the report made to the N. C. A. A. by its swimming rules committee particular mention was made of the development of swimming in Minnesota schools, and particularly in range high schools.

This year will mark the tenth anniversary of the swimming rules committee and the national survey will be, in part, a recognition of that event.

Journalism Head Honored

R. R. Barlow, head of the journalism department of the University of Minnesota, was elected secretary-treasurer of the American Association of Teachers of Journalism at their recent convention in Evanston, Ill. W. P. Kirkwood, head of the department of publications at the University Farm, was chosen head of the National Association of College Press Bureaus.

Debate Tryouts Scheduled

Between 30 and 40 students at the University of Minnesota will enter competition for the debate teams in tryouts to be conducted during the next two weeks. "Resolved: That the United States should enter the league of nations" is the topic chosen for the tryouts. C. F. Lindsey, debate coach, has announced.

UNIVERSITY LECTURES OPEN TO VISITORS

Minnesotans from outside the twin cities who are in Minneapolis or St. Paul over Sunday have been invited by the University of Minnesota to attend the series of Sunday lectures on natural science that are being given in the zoological museum at the university. The lectures come at 3:30 p.m. each Sunday during January, February, and March.

Dates and subjects announced are the following:

January 14: The Glaciers and Fiords of Alaska. Illustrated by a series of colored slides. By W. S. Cooper, assistant professor of botany, University of Minnesota.

January 21: A Journey Along the Milky Way. By F. P. Leavenworth, professor of astronomy and head of the department of astronomy, University of Minnesota.

January 28: Methods of Conserving and Propagating Fish in Minnesota. By Carlos Avery, Minnesota game and fish commissioner.

February 4: Minnesota versus Insect Enemies; How the Fight Is Waged. By A. G. Ruggles, Minnesota state entomologist and professor of economic entomology.

February 11: The Forests of Minnesota; Past, Present, and Future. By C. O. Rosendahl, professor of botany, University of Minnesota.

February 18: How Minnesota's Wild Creatures Spend the Winter. By Royal N. Chapman, assistant professor of animal biology, University of Minnesota.

February 25: Seaside Biological Stations and What Is Done There. By E. J. Lund, associate professor of animal biology.

March 4: Known Facts about Primitive Man. By A. E. Jenks, professor of anthropology, chairman of the department of anthropology.

March 11: Seven Wonders of the World. By N. L. Huff, assistant professor of botany.

March 18: A Talk about Ants. By D. E. Minnich, assistant professor of animal biology.

March 25: The Bird. By Dr. Thomas S. Roberts, director zoological museum, University of Minnesota.

JANUARY ATTENDANCE GAINS 1000 OVER '22

Total registration to date at the University of Minnesota mounted to 9620 on Jan. 6, with registrations for the second quarter still incomplete, R. M. West, registrar, announced. At the corresponding time last year registration was 8516.

Including all who have registered during the first and second quarters, enrollment in the various schools and colleges was as follows: War specials, 205; science, literature, and the arts, 3763; engineering and architecture, 1040; agriculture, forestry, and home economics, 816; law school, 266; medical school, 462; school for nurses, 182; college of dentistry, 395; dental hygienists, 33; school of mines, 135; school of chemistry, 130; college of pharmacy, 137; college of education, 1102; school of business, 230; graduate school, 724; total collegiate, 9620.

Figures are still being compiled in registration in the sub-collegiate institutions, including the three schools of agriculture and the University high school. Extension courses are on a semester rather than a quarter basis and the new semester will not begin until January 25.

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Official News Reports of The State University to the Press of the State of Minnesota

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ACADEMIC FRESHMAN HONOR ROLL ISSUED

Freshman honor students in the academic college at the University of Minnesota come from 22 Minnesota cities and towns besides the twin cities, as well as from six cities outside the state, J. B. Johnston, dean of the college of science, literature, and the arts, has announced. Students maintaining an average rank of A or B during their freshman and sophomore years are entitled to register as candidates for honors.

Students from outside the twin cities who honor stranding during the first quarter of the freshman year are the following:

ANOKA	Helen B. Caine
ASKOV	Nanna A. Rodholm
AUSTIN	Lucille M. Saxe
BEMIDJI	Stanley W. Wilcox
BUFALO	Harold E. Heath
CHATFIELD	Mary E. Tuohy
CLOQUET	Elizabeth Dixon
DULUTH	Gertrude E. Hansen
FARIBAULT	Viola Shields
GRANITE FALLS	Vernon E. Smith
IRONTON	Joe Louis Plut
LAMBERT	Catherine B. Welch
LUVERNE	Elizabeth Martin
NEW LONDON	Stuart Fink
ONAMIA	Virginia L. Woodward
PIPESTONE	Eva D. Fields
RED WING	Verona Green
SACRED HEART	Thelma A. Peterson
SAUK CENTER	Eileen Brown
WADENA	Harold E. Carter
WILLMAR	Gertrude Tallman
YAYZATA	Mildred M. Holen

Honor freshmen from outside the state include Harriet Borman, Blue Island, Ill.; Della Galinsky, Sioux City, Iowa; Edna M. Peterson, Gery, S. D.; Terrence J. Slattery, Great Falls, Mont.; Ruth I. Stuart, Council Bluffs, Iowa; Sibyl L. Thompson, Eau Claire, Wis.

The prevalence of girls among the honor students is accounted for by the fact that the record is for the academic college only, excluding engineering, mines, pharmacy, and similar colleges in which boys predominate.

Gertrude E. Hansen of Duluth was the leader among the academic honor freshmen, earning a straight "A" average during her first quarter. "A" is approximately 93 or better.

"We hear much in these days," said Dean Johnston, "of the duties of the University to its students and of the need of the readjustment of the university to new conditions. The supreme duty of the university to its students is to offer to each one the opportunity to develop his powers to the utmost and to gain the highest good from his college course."

"There are some things to be said regarding the duties of the student. Among these, in an institution where the greater part of the cost of education is met by the taxpayers of the state, the supreme duty is to show an appreciation of the opportunities offered to him by striving for the greatest possible success in scholarship. The plan of honor graduation is one of several means employed by the faculty to encourage scholarship."

The list of sophomores who are maintaining honor standards will be made public soon by Dean Johnston.

"Math" Faculty Men Honored

Appointment of two University of Minnesota professors to positions of responsibility in national mathematical societies has been announced. Professor W. H. Bussey, chairman of the department of mathematics, who also is an assistant dean, has been elected a councillor of the American Mathematical Society, and Professor Dunham Jackson has been chosen as a trustee of the Mathematical Association of America. Dean J. B. Johnston of the college of science, literature, and the arts, which includes the department of mathematics, announced also that permission has been given for using as a text a new work on "Mathematics of Investment" recently produced by Professor William L. Hart, University of Minnesota.

"U" DEANS PROTEST CONGRESS BOOK BILL

Fearing a monopolistic arrangement that might increase greatly the price of textbooks to students and libraries, and complicate the problem of getting an education, deans of all colleges in the University of Minnesota have voted unanimously to protest a bill now before congress which would make it a penal offense to buy imported books printed in English from any concern except the accredited American representative of the publishers.

The communication relating to the bill, a letter from M. L. Rainey of the American Library Association, was presented to the deans by President L. D. Coffman. If the bill were passed, he explained, an American could not even send to England and buy directly from the publishers any book on which the rights happened to have been sold to an American representative.

Many books printed in both the United States and England can be bought abroad much more cheaply than in the United States, even including the 35 per cent duty, F. K. Walter, librarian, pointed out. To break the proposed law would be a penal offense, he said.

The communication from the American Library association suggested that educational institutions protest to the senators from their states. Deans at the university voted to take this action, and similar action probably will be taken by the Minnesota chapter, American Association of College Professors.

The bill, Senate File 4104, makes no reference to foreign books printed in tongues other than English.

PRESIDENT DIRECTS NATIONAL COST STUDY

Dr. Lotus D. Coffman, president of the University of Minnesota, is taking a prominent part in the most extensive survey of educational finance ever made in the United States, that now being conducted by the National Council on Education, of which he is president.

President Coffman left last week for Washington, D.C., where the council's executive committee held its annual meeting on Jan. 27 and reported progress on the survey. The work is intended to reveal conditions in educational finance, the main financial problems confronting educational establishments and the ways in which some institutions have met these problems successfully.

A centralized bureau of college teachers, keeping on file all information available regarding college teachers in the United States, is being developed by the National Council on Education. This will be the only source of information of its kind.

BASKETBALL TOURNEY PLANS PROGRESSING

Members of the high school basketball teams and their supporters who go to Minneapolis March 27, 28, and 29 for the Minnesota State High School Basketball tournament, to be staged under the auspices of the Minneapolis Athletic club, have been invited to inspect the University of Minnesota, the big twin city industries and art galleries, and the Minnesota State Capitol, St. Paul, during their three days stay in the twin cities.

Arnold Oss, former Minnesota football star, has been appointed manager for the tournament, according to N. Robert Ringdahl, superintendent of schools at Shakopee, who is chairman of the tournament committee. Mr. Ringdahl and O. E. Smith, superintendent of schools at Anoka, were in Minneapolis last week completing arrangements. They conferred with L. F. Bolser of the athletic club, F. W. Luehring, director of athletics at Minnesota, and others who are actively boosting plans for the meet.

The preliminaries and semi-finals will be completed on the first two days of the tournament, leaving the third day free for tours and visits until late afternoon when a banquet will be served, followed by the final at night.

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STATE PSYCHOPATHIC HOSPITAL BILL UP

Support from every part of Minnesota is being received for the bill now in the legislature providing for the establishment of a Minnesota state psychopathic hospital for the care of incipient and borderline mental cases and for those whose nerves or minds have been shattered temporarily by the use of drugs and intoxicants.

The bill provides for the construction of the hospital on the campus of the University of Minnesota that it might be used for training medical students and increasing the knowledge of Minnesota physicians of mental ailments and their treatment. It asks \$275,000 for the erection of the hospital and \$85,000 for its maintenance during the coming biennium.

An outpatient department through which patients not inmates of the hospital would receive treatment and a system of statewide clinics that would carry the beneficial activities of the staff to every corner of the State of Minnesota also are contemplated in the measure.

Patients might be admitted voluntarily through any of the processes by which now patients are sent to the various state institutions for care and those who are afflicted mentally.

"Few realize the tremendous indirect cost to the state that comes from the presence of mental and nervous defectives among its population," said Dean E. P. Lyon of the college of medicine, University of Minnesota. "These people frequently are incapacitated before their condition is discovered and after their mental troubles become pronounced they are more or less permanently wards of the state. The psychopathic hospital is for the treatment of those who are in the early stages of mental and allied nervous disabilities. By prompt care hundreds of these unfortunates can be saved, both to their families and to the State of Minnesota."

A statewide committee headed by Dr. Arthur S. Hamilton of the University of Minnesota and Dr. Mabel S. Ulrich of the Hennepin County Public Health association is working in the interests of the measure. Its members outside the twin cities are: Rochester, Dr. Charles H. Mayo; Brainerd, Mrs. W. H. Gemmell, Crow Wing County Child Welfare board; Albert Lea, Mrs. Antoinette Bortelson, Freeborn County Child Welfare board; Chisholm, Mrs. Willard Brylliss, St. Louis County Child Welfare board; St. Cloud, Dr. Werner Hempstead, Minnesota state reformatory; Duluth, Dr. E. L. Tuohy; Rochester, Dr. Arthur F. Kilbourne, state hospital; University of Minnesota, President L. D. Coffman; Dean E. P. Lyon, Dean M. E. Hagerly. The bill was introduced in the house by Mrs. Mabeth Hurd Price, and in the senate by Senator John C. Sweet.

Minnesota Etcher Wins Fame

George T. Plovman, a graduate of the University of Minnesota and formerly an architect, has won fame as an etcher and examples of his work have been displayed recently in many famous American galleries. Mr. Plovman was graduated from the Le Sueur, Minn., high school and went from there to the university, taking his degree in 1892. Specimens of his work have been on exhibition recently in one of the large Minneapolis art galleries.

MUNICIPAL LEAGUE TALKS LEGISLATION

Representatives of 177 Minnesota municipalities with membership in the League of Minnesota Municipalities gathered in St. Paul on Friday, Jan. 26, for their biennial legislative session. Legislative matters affecting directly the cities and towns that are members of the league were thoroughly discussed, and a report will be issued containing the decisions of the members on many bills now before the legislature.

M. B. Lambie, professor of political science at the University of Minnesota, who is executive secretary of the league, made it clear, however, that the league's purpose is to study and familiarize its membership with pending legislation, not to take up political cudgels either for or against measures.

"The league is not interested in any question as a political or party matter," said C. P. Hall of Red Wing, chairman of the legislative committee, but solely in so far as the question may concern municipal welfare.

Members were guests of the city of St. Paul and St. Paul city officials at a dinner in the St. Paul hotel the night of Jan. 26. Prominent state and city officials, members of the legislature and R. R. Price, director of the general extension division, University of Minnesota, spoke. The league was organized by the extension division.

SKI-U-MAH HONORS MANKATO STUDENTS

Edgar Weaver of Mankato, sophomore at the University of Minnesota, has been appointed art director of the Ski-U-Mah, student monthly literary magazine, published on the campus. He succeeds Levon F. West, who made a name for himself by his art work for the Ski-U-Mah and who now is associated with a commercial art concern in the twin cities. He is a nephew of John Wise of the Mankato Free Press.

Leland F. Peterson, editor in chief of the magazine, expressed satisfaction over the appointment of Weaver.

"We feel that Mr. Weaver is well qualified for the position because of his high school and college experience in this particular field of work," he said. "He has served as assistant art director of the Ski-U-Mah and is consequently familiar with the magazine's needs and style."

Mr. Weaver has become known to University of Minnesota students through the excellent work done for the last two Gophers, the student annuals, and as an artist for other college publications. In the Mankato high school he edited both the school paper and the year book. He is a son of the late Edgar Weaver, long Blue Earth county auditor and a member of the Minnesota state capitol commission.

EXTENSION DIVISION INSTRUCTING 3012

The second semester for classes in the general extension division, University of Minnesota, will begin during the week of January 29, registration running from Jan. 15 to Feb. 3. An increased number of evening courses is being offered in Minneapolis, St. Paul, and Duluth. During the first semester of the year there were registered 3012 extension students of whom 1754 were men and 1258 women. New registrations are being received for the correspondence courses also, according to W. C. Smiley, acting director of correspondence study. Last semester there were more than 1000 registered for correspondence work and the list is growing daily.

When correspondence study was begun 10 years ago, 14 courses were offered and only 83 students enrolled. Last year the number of courses offered was 148 and the enrollment approached 1,000. This year's registration is expected to pass all previous totals.

MINNESOTA "U" ATHLETIC NOTES

The University of Minnesota, with Wisconsin and Michigan, has entered into a triangular hockey league, the first such league in the Western Conference. F. W. Luehring, director of athletics at Minnesota, has been elected president, Tom Jones of Wisconsin, vice-president, and George Little, Michigan, secretary-treasurer.

The league season has been started between Michigan and Wisconsin with a four game series of which Michigan won three and with the two games between Michigan and Minnesota last Monday and Tuesday which were won by Minnesota, 2-0 and 3-0.

For the remainder of the season the schedule is as follows: Feb. 9 and 10, Minnesota at Wisconsin; Feb. 16 and 17, Minnesota at Michigan; Feb. 26 and 27, Wisconsin at Minnesota.

Although the University of Minnesota expects to retain practically all of its letter men for the 1923 football season, football authorities are pledged to give every willing candidate a wide open chance to make the team next year. And at the same time, according to athletic authorities, opportunities for basketball players to make the team were never better. It is the consensus of athletic opinion that freshmen who matriculate next fall will have as good an opportunity as ever was known for making the first team, either in football or basketball, following the one year of freshman play that is required of all entering students under conference and university athletic rules.

All but three members of last year's championship swimming team at the University of Minnesota are again in college and competing for swimming team places this winter. John Faricy, Captain Lanpher and John Day, each holds a conference championship in one or more events. Other crack swimmers appearing regularly in the tank are Hibbard Hill, A. M. Gow, D. G. Brunner, Fred Grose, Francis Collins, Clifford Johnson and John Prins. Following victories over the Minneapolis Y.M.C.A. and the St. Paul Athletic club teams, Minnesota swimmers are making ready for four conference contests, leading up to the Big Ten conference meet in Chicago on March 15.

Windom, Minn., has given the University of Minnesota one of its team captains for 1923. Arthur Jacobson of that city has been elected captain of the cross-country team, to succeed "Spike" Winter, who will graduate in June.

Minnesota ranks second in manpower among conference colleges, according to a recent compilation, Michigan leading. The table presented follows:

College	Men	Other than freshmen
Michigan	7200	5800
Minnesota	5622	3693
Ohio	5456	3663
Illinois	5773	3296
Wisconsin	4170	2938
Purdue	2421	1638
Chicago	2488	1571
Iowa	1715	1060
Indiana	1811	1172
Northwestern	1294	922

To Foster Chinese Friendship

To improve friendly relations between the United States and China, especially in the educational field, University of Minnesota students are forming a branch of a nationwide organization that will help support Christian work in the Orient. Team captains for 120 workers who will offer the "investment in friendship" to the student body have been named as follows: Oliver Aas, John Prins, Gilbert Mears, Neil Morton Harold Peckman, Hugo Thompson, Ben Schmocker, Clifford Dunham, Alex Miller, Harold Hall, Richard Rademacher, Henry Leivestad, Ted Waldor, Llewellyn Plankuchen, and Russell Thompson.

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ATHLETIC DIRECTOR BACKS HEALTH BILL

Thoroughgoing endorsement of the bill recently introduced in the Minnesota legislature providing for physical education and training in all public schools and for the establishment of a state directorship of physical education, has been given by Fred W. Luehring, director of physical education and athletics at the University of Minnesota, who said he represented also the opinions of other members of the department.

The bill, house file 370, would provide physical education in all public schools, colleges, and all institutions giving teacher training. The director of this work would be a state appointee.

The Minnesota Physical Education association, League of Women Voters, and other groups have endorsed the measure. Mr. Luehring said. It has been referred to the house committee on education. Groups in favor of the measure are planning a statewide campaign in support of it he said.

The bill was introduced in the house by Speaker W. I. Nolan, with Representatives Norton, Walworth, Duemke, Christianson, and Hitchcock. It probably will be introduced in the senate also within a few days.

The measure received a vote of endorsement recently when the Minnesota Physical Education association met in the Minnesota Union on the University of Minnesota campus. Dean Alfred Owre of the college of dentistry spoke on "Later Life Value of Hiking," W. C. Dunham on "The University of Utah Outing Club," and Dr. L. J. Cooke gave a survey of basketball literature. Officers of the association are: President, Ermina Tucker, Minneapolis public schools; vice president, Mr. Luehring; secretary-treasurer, C. W. Tobin, St. Paul Y.M.C.A.

NEW EDITOR CHOSEN FOR ALUMNI WEEKLY

Leland F. Peterson, senior in the college of science, literature, and the arts at the University of Minnesota, and managing editor of Ski-U-Mah, student literary magazine, has been appointed editor-in-chief of the University of Minnesota Alumni Weekly. E. B. Pierce, alumni secretary, announced.

Mr. Peterson succeeds Vincent Johnson, editor for three years, and is the third editor the magazine has had. E. B. Johnson, former alumni secretary, edited the Alumni Weekly from 1901, when it was established, until 1920.

The new editor came to the University from Burt, Iowa, and is a graduate of the Burt high school. He served for two years as night editor of The Minnesota Daily and was one of the founders and first editors of Ski-U-Mah. Mr. Peterson will be graduated in March and then will devote his whole time to the alumni work. He is a member of the T.K.E. fraternity.

DR. FOLWELL NEARS HIS 90th BIRTHDAY

Letters of congratulation and greeting have been pouring in on Dr. William Watts Folwell, president emeritus of the University of Minnesota, on the attainment of his 90th birthday, Wednesday, Feb. 14.

Since retiring from active university work in 1907 Dr. Folwell has been a devoted scholar of Minnesota history and has published the first volume of a comprehensive history of the state on which he is at work.

Dr. Folwell was born in Romulus, N. Y., Feb. 14, 1833, during the administration of Andrew Jackson as president of the United States. He became first president of the University of Minnesota in the fall of 1860 and held that position until 1884. He then was made professor of political science and continued in that capacity until 1907. An office is still maintained for him at the university which he has done so much to serve and he is a prominent figure in the life of the twin cities and of the state.

Hundreds of alumni and friends have been sending him their greetings and warm good wishes during the past few days.

PRESIDENT PREDICTS CONTINUING GROWTH

Although state universities are due for a growth which may double their enrollment in the next decade, no state has yet been willing to abandon the principle of equal educational opportunities for all. President L. D. Coffman told the board of regents in his annual report, made to the February meeting. The past year, he said, has been the best in the history of the university.

President Coffman predicted that state universities now having 5,000 students will have 10,000 ten years hence, and that those with 10,000 now will have 20,000 then.

Universities, he said, always must stand ready to render expert service in agriculture, engineering, education, mining, and medicine, as well as in other fields. They should not be required, however, to exercise police powers, he said. He cited such matters as enforcement of laws relating to white pine blister, orchard spraying and the vaccination of cattle. These police powers should be outside a university's functions, he said.

President Coffman emphasized the point that universities must use great care in singling out those students who seem incapable of doing work of college grade. Before a student is dropped from the University of Minnesota as a scholastic failure, he said, the individual case should receive careful attention.

"Educational literature is filled with the stories of men and women who were adjudged incompetent and incapable by their instructors, who in later life displayed great talent and even genius," he said. "No institution has fully and completely discharged its duties until it deals with those who receive low marks individually and not by wholesale methods or according to rigid rules. Whenever reasonable doubt exists, particularly in the case of beginning students, the decision should be in favor of the individual student rather than the institution."

Many students attend the university because it is the thing to do "socially," the president told the regents, but he said, if they do not esteem studentship above social distinction, they are entitled to scant consideration.

Of the board of regents President Coffman declared that it is desirable to have as many groups, classes, and professions as possible represented in that body, but that for any regent to become the special pleader of a specified group would be unfortunate.

"Whenever any member of the board becomes the special advocate of a special group or class, he is almost certain to neglect the interests of the university as a whole," he said.

THREE BUILDINGS VOTED BY REGENTS

A new dairy building on the College of Agriculture campus, a new storehouse and shop building, and a new electrical engineering building will be begun this spring at the University of Minnesota, the board of regents voted at its February meeting. The dairy building will cost \$235,000, the storehouse about \$150,000, and the other \$300,000. All will be put up with money already voted under what is known as the "comprehensive building program" authorized by the 1917 legislature. The electrical engineering building will be erected adjacent to the present engineering group near Washington avenue and Church street, S.E.

The storehouse and shop building will be erected adjacent to the Northern Pacific railroad tracks as they will lie after the track removal project has been completed. This work is now going on. The building will stand between University avenue and the tracks, adjoining the University Y.M.C.A.

When the regents took action on the buildings President L. D. Coffman pointed out that the new structure, will make possible a great stride in cleaning up and beautifying the campus as both the storehouse, the garage, and the present printshop are campus eyesores. The university printshop will be housed in the new shop building.

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105 Publications Bldg.,
University of Minnesota, Minneapolis, Minn.

EDITORS AT M. E. A. URGED TO VISIT "U"

Minnesota editors who are in St. Paul on Friday and Saturday, Feb. 16 and 17, for the meetings of the Minnesota Editorial association, are urged by University of Minnesota authorities to pay a visit to that institution if they can arrange their time in such a way as to make it possible. Classes will be in session all day Friday and on Saturday morning. The new music building, now in use, and the new library, which is in course of construction, are among the points of interest.

Some of the visitors may be interested in the gymnastic meet between Iowa and Minnesota at the University Armory Saturday night, Feb. 17. As it happens, that will be the only thing in the way of athletics open to the public on either day.

Editors who happen to come early will have a chance to hear Pablo Casals, cellist, and Eva Gauthier, in concert the night of Tuesday, Feb. 13, at the Music building on the University campus. Burgess Johnson, professor of literature at Vassar, will speak on "Public Opinion vs. The Press" at 4:30 p.m. Friday, Feb. 17, in the Music building.

The St. Paul-Minneapolis cars pass the University of Minnesota and the Como-Harriet interurbans run past both the college of agriculture and the main campus.

CAMPUS SOUTHERNERS WILL REORGANIZE

Reorganization of the Southern club at the University of Minnesota is nearing completion.

"We want every student in the University, who was born before the Mason-Dixon line, to be an active member," said Miss Lida Jura, St. Louis, Mo., who was president of the club last year and is now in charge of its reorganization.

The Southern club was a prominent organization the year before last, having 45 members and taking an active part in the social activities on the campus. Last year the membership dwindled to 20, mostly faculty members and students doing graduate work. As many of these did not return this fall, the club did not organize. Many students from the southern states register in the winter quarter, so the reorganization was left until now.

31 Nationalities Enrolled

Among 250 foreign students representing 31 nationalities who are attending the University of Minnesota, 85 belong to the Cosmopolitan club, a local branch of the "Corda Fratres" international foreign students' association. Nationalities represented in the club are England, Ireland, Scotland, France, Holland, Norway, Sweden, Denmark, Russia, China, Japan, India, Switzerland, Canada, and the Philippine Islands. Dr. H. J. Leonard of the college of dentistry is the club's faculty advisor. Rasmus Rasmusen, president of the Cosmopolitan club, left recently to visit in Denmark, and Charles Cosandey is taking his place.

PRIZE SCHOLARSHIP GIFTS ACCEPTED

An annual prize of \$75 given by the University of Minnesota chapter of the American Institute of Architects to the student of architecture with the highest average in his junior year was among several gifts accepted by the board of regents last week. One of \$100 as an annual scholarship to an advanced woman student in the Americanization training course was accepted from the Tourist club of Minneapolis. Miss Lillian M. Anderson of LITCHFIELD, a senior in the college of education, was awarded the first of the Americanization scholarships. Thirty small scholarships were awarded to members of the band.

A Minneapolis newspaper also agreed to send 40 winners in the boys' and girls' dairy clubs to the second national boys' and girls' club exposition in Chicago, one from each county having an enrollment of 25 members or more. It also gave four scholarships of \$100 each to be known as the Minneapolis Journal Dairy Club scholarship, one to go to the winner in each the Holstein-Friesian, Guernsey, Jersey, and Avershire groups. The scholarships would be good at any time within two years for payment of expenses at any of the Minnesota schools of agriculture or at the College of Agriculture, University Farm.

A gift of 120 technical books was accepted from F. E. Shenobon, former dean of the college of engineering.

A group of 135 original drawings submitted in the architect's competition for plans for the new Chicago Tribune building will be shown at the University of Minnesota in the near future. The plans are being sent to various schools of architecture at the expense of that newspaper.

STEWART WILSON '24 MADE TRACK LEADER

Stewart Wilson, Engineering '24, was elected captain of the University of Minnesota track team at a special meeting on Feb. 6, to succeed William Hawker, who gave up athletic competition to devote himself altogether to his studies. Wilson is a resident of St. Paul and a wearer of the "M" which he won in the 100-yard dash last year in competition against conference colleges. He is one of the best-known members of the track team and also has been active in other branches of student life.

THIRTY BANDSMEN GET SCHOLARSHIPS

Scholarships have been granted from special trust funds at the University of Minnesota to 30 members of the University Band, some of them students who lose time from self support by attending band practice. The awards were made with the understanding that members of the band who do not meet the conditions of the band leader, M. M. Frilma, by consistent attendance at practice, will forfeit the scholarships.

Those receiving \$50 scholarships were: Paul De Freece, SIDNEY, Iowa; Harrison Gagstetter, MINNEAPOLIS; Morris Katzoff, CEDAR RAPIDS, Iowa; Glen Larson, WILLMAR; Leroy Wyman, MINNEAPOLIS.

Scholarships of \$35 each were awarded to: Ben Anderson, LITCHFIELD; Ralph Dwan, MINNEAPOLIS; Richard Duxberry, BEMIDJI; Rosco Furber, MINNEAPOLIS; Harry Hillstrom, MINNEAPOLIS; Kenneth Jorzensen, MINNEAPOLIS; Frederick Kappé, ALBERT LEA; Ingeolf Kvaete, BENSON; Lyder Laugeson, MINNEAPOLIS; Herbert Lise, MARBLE; Russell Lemke, ST. PAUL; Henry Meier, MINNEAPOLIS; Norman Melby, MINNEAPOLIS; John Pauencu, BIRWABIK; Dell K. Stewart, HENNING; Charles Sweet, WELLS; Clarence Snyder, MARSHALLTOWN, Iowa; Jay Wellmering, ST. PAUL; Abbott Wolf, MASON CITY, Iowa; Wilber Yeaver, SANBORN; Hobart Yates, ALBERT LEA.

Fifteen dollar scholarships were given to: Melvin Levin, MINNEAPOLIS; James P. McCully, ASHLAND, Wis.; and Barrett Rogers, MINNEAPOLIS.

DEAN ANNOUNCES SOPHOMORE HONORS

Sophomores in a academic college at the University of Minnesota to the number of 100 have been added to the list who maintained during the first quarter of the college year an average standing of A or B, entitling them to compete for student honors. This privilege is granted to students who maintain the A or B average to the end of their second college year.

The list includes the names of all students who have kept up thus far a standing that would entitle them to enroll as candidates for honors," said J. B. Johnston, dean of the college of science, literature, and the arts, who made the announcement.

The names of the students from outside the twin cities are: Myron R. Allen, PINE CITY; Louise A. Anderson, RED WING; Mildred Busch, GAYLORD; Ida M. Christensen, CASS LAKE; Dorothy E. Coolidge, DOWNING, Wis.; Olive Davies, MANKATO; Dagny Dietrickson, MENOMINEE, Wis.; Grace M. Dougherty, WHITE REAR; Bessie R. Drago, SPOKANE, Wash.; Nora Eklund, DE SMET, S. D.; Marguerite Farver, MITCHELL, S. D.; Constance Golden, Redwood Falls; Elizabeth Healy, FORT DODGE, Iowa; Elizabeth F. Hirsch, AUSTIN, Minn.; T. Almar Krontonon, ASHTABULA, Ohio; Edna V. N. Levant, FORESTON; Velva E. Liesenfeld, COMFREY; Grace MacDonald, DULUTH; John R. Mash-ek, IVANHOE; Paul Millington, LAKELAND; Marion Myer, ALBERT LEA; Sven A. Nilson, MENAHEGA; Peter Hugo Pearson, FOREST LAKE; Rudolph Pederson, ASKOV; Florence H. Phlips, COOPERTOWN, N. D.; Esther N. Poole, WINNEBAGO; Frederick L. Renaud, SIOUX FALLS; S. D.; Lila R. Richardson, SPRING VALLEY; Marion T. Selander, RED WING; Mary C. Shemorr, WILLISTON, N. D.; Dorothy E. Sherman, OTTUMWA; Carmen A. Spande, MARLB; Esther E. Taylor, ALEXANDRIA.

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IMMIGRATION BAN ON STUDENTS LIFTED

Residents of foreign countries who wish to enter the University of Minnesota as students may come to the United States even if the immigration quota for their particular nation has been reached, President L. D. Coffman has been informed by Stephen Duggan, director of the Institute of International Education. Because the existing immigration law overlooked the foreign student entirely, a special agreement has been reached between the government and the institute, by terms of which the bona fide student can be admitted. Arrangement for the admission will be made in advance and everything will be in readiness when the individual reaches Ellis Island or another port of entry, university authorities were told by Mr. Duggan's letter. President Coffman has been asked to send to the Institute of International Education the names of foreign students intending to come to Minnesota of whom he has knowledge. The ruling applies to all accredited American institutions of higher learning.

Football, Track Letters Given

Letters were awarded 20 University of Minnesota football players and five cross country runners at the annual "M" banquet in the Minnesota Union the night of Feb. 8. Football men to get the letters were Oliver Aas, Hugh McDonald, Ted Cox, L. S. Mitchell, C. M. Rollitt, Louis Gross, Chester Gay, Fred Oster, Clinton Merrill, Rudolph Hultkrans, Carl Schjoll, George Myrum, Ray Eklund, Luke Gallagher, George Abrahamson, Otis McCreeghy, and Fred Grose. "Bill" Spaulding, who won the confidence of the entire university population by his work as coach last fall, was among the speakers. Cross country men who won letters were W. M. Winters, Russell Ulrich, Lloyd Vye, Lyman Brown and Arthur Jacobson. Jacobson is the captain elect of the cross country team. His home is in WINDOM, Minn.

The University of Minnesota News Service

Official News Reports of The State University to the Press of the State of Minnesota

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MARCH 3, 1923

Interim Committee Reports On University of Minnesota

Efficiency And Swiftly Increasing Needs Found; Legislators Urge Dormitories, More Loan Funds For Students

The University News Service reprints in this issue that part of the report of the Minnesota legislature's interim committee report on education that has to do with the University of Minnesota. This is included here with the knowledge that this is no longer news. It is, however, information that every editor well might have.

Of the University the interim committee said:

"Early in its investigation the President of the University was requested by the committee to furnish information generally upon any matter the University desired to present and especially on the following points:

- "1. The number, cost, and desirability of its several departments.
- "2. The amount of tuition charged and the ratio of the fees collected to the total cost of the University.
- "3. Needs of the University and departments as to buildings and equipment.
- "Answers to these inquiries were prepared and published by the University authorities in three volumes; the first covering the analysis of the various departments and a statement of the needs of the University; the second, a detailed review of the instructional services; and the third, an analysis of the income and expenditures of the University. In pursuit of its inquiry, the committee spent several days visiting the various departments, schools, and colleges of the University. After a thorough study and investigation the committee has reached the following conclusions:

The Increase in Student Enrolment

- "1. The number of students in the University has increased from 18 of collegiate grade in 1869 to 9,854 in 1920-21, not including 1,628 students in the various schools of agriculture and in the University High School, or the 5,268 students in the extension division. With these included, the total enrollment is 16,747. The figures for 1921 and 1922 are: Collegiate registration, 10,425; students of schools of agriculture and University high school, 1,609; extension division, 5,679; making a total of 17,713.
- "2. In keeping with this growth and in response to the demands of an increasingly complex society, the University has, in the 50 odd years of its existence, expanded its departments and established new schools and colleges. In connection with this development the University has been criticised from two opposite directions: One criticism insists that the institution has established too many departments, schools, and colleges. The other equally insistent criticism from special sources has been that it has too few departments. We do not believe that new departments ought to be established except in response to a very general demand and especially not at this time when the growing requirements of its collegiate department and its long established professional schools are taxing to the fullest extent the resources of the University.
- "3. The teaching staff is composed of men and women devoted to teaching, investigation, research, and service to the state. In many instances, because of the rapid increase in University enrollment, the number of students per instructor is larger than is consistent with the highest educational efficiency. This situation will have to be met by an increase in the teaching staff. In this connection we want to urge that every effort be made by the board of regents and other authorities to equalize the teaching load of instructors of all ranks with a view both to economy and maximum teaching efficiency.

Report Calls Colleges Efficient

- "4. The various colleges, schools, and departments are doing efficient work and are meeting the definite needs and demands of the students enrolled in them. In some departments the committee found that there is a definite deficiency in necessary equipment, but this situation will to some extent be relieved by provisions already made by the Legislature for additional buildings and equipment.
- "5. The tuition fees charged to students compare favorably with the fees charged students in institutions of learning of similar rank. The fees amount to about one-fifth of the total amount received from the state for the support of the University. The committee believes there could be a moderate increase in the fees charged in the professional schools without detriment to the University and without imposing any serious burden on the student body. We recommend, however, that if, after careful investigation, such a change is approved by the Board of Regents ample provision should be made for funds with which to extend credit to deserving students.
- "It is a splendid record for the Minnesota University that a very large percentage of its students are wholly or in part dependent upon their own efforts in obtaining their University education, and this fact should be given careful thought in considering the matter of increased tuition fees.
- "6. The sources of income and the disbursements of the University are audited annually by the State Examiner. His reports show that the system of accounting and bookkeeping at the University is detailed and satisfactory. It would be a helpful thing for the University if its financial affairs could be made a matter of wide public information. We therefore recommend that a more general circulation be given to its annual financial report.

Point to Benefits from Dormitories

- "7. Nothing will contribute more to the genuine wholesomeness and life of the University than dormitories. The sons and daughters of the citizens of Minnesota should be as well housed at the University as they can be at any educational institution. The University authorities have suggested that the state should find some means of lending the University such sums annually as may be needed for the purchase of land and the erection of dormitories on the condition that the University would make such charges to the students as would provide for the maintenance, including overhead, and would also amortize the original capital outlay to the state. This can be done with charges that are less than many of the students are now paying for living accommodations. The plan suggested by the University authorities is in common use at other institutions. The committee commends this plan to the Legislature for its serious consideration.
- "8. In its growth and activities during the last half century the University has been woven into the life and development of the state and the committee bespeaks for it the intelligent and sympathetic co-operation not only on the part of the Legislature but on the part of the whole people of the state that it may to the fullest measure meet its obligations and fulfill its mission to the people of this commonwealth as an educational institution of the first rank.

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LUEHRING IS "FAN" FOR OUTDOOR LIFE

Fred W. Luehring, director of athletics at the University of Minnesota, is developing into one of the leading boosters for Minnesota as the great outdoor country. He is taking advantage of the opportunities offered by the cold season to push winter sports and is drawing up a program of outdoor sports for the summer time as well.

Following his service on the general committee in charge of the National Ski tournament early last month, Mr. Luehring has been devoting himself to the development of an outing club at the University of Minnesota, now named the Gopher Outing club. Its first outdoor tournament, with events at Glenwood park, on the university campus and in the Hippodrome at the State Fair grounds, was conducted last week. Events included snowshoe and ski races, a dog derby, tug of war on skates, skating races, stunt skating, women's hockey championship match, interfraternity hockey matches, and several fancy skating competitions.

In response to a questionnaire that asked which winter sport the students took an interest in, Mr. Luehring has learned that the men students are interested as participants in an average of three or four outdoor sports apiece. The first 500 answers contained designations of 1868 sports in which students were interested, as follows:

Hiking	264
Canoeing	305
Rowing	176
Fancy skating	39
Snowshoeing	53
Tobogganing	229
Skiing	138
Ski-touring	33
Ice boating	117
Bob sledding	112
Total	1868

Mr. Luehring expressed particular satisfaction that canoeing and rowing, sports exactly suited to outdoor Minnesota, for which also there are fine facilities near the University of Minnesota, should have been specified by so many.

Portmann Edits Legion Paper

Victor R. Portmann, a student at the University of Minnesota, is editor of "L'Étoile Du Nord," a new official publication of the "Boxcar" society, or La Societe des Hommes 40 et Chevaux 8, honorary American Legion organization. First issues have been distributed. Mr. Portmann is a resident of CURRIE, Minn., and formerly assisted in the publication of the Currie Independent, owned by his father, C. A. Portmann. Among the correspondents are Henry Olson, ST. PAUL; Almer A. Johnson, VIRGINIA; Harry J. Hink, MINNEAPOLIS; G. V. Brainard, MONTEVIDEO; Jefferson Jones, NEW PRAGUE; Walter Peltonini, NEW YORK MILLS; H. H. Prah, SPRINGFIELD; C. C. Torkerson, HAWLEY; O. A. REITER, ROCHESTER; L. L. Stone, LAKEFIELD, and Carlisle Madison, HUTCHINSON.

SCHOOLMEN'S SHORT COURSE DATES FIXED

Schoolmen's Week, the annual teachers and school administrators short course at the University of Minnesota has been set for March 27 to 31 inclusive, Dean M. E. Haggerty of the college of education has announced. John J. Tigert, United States commissioner of education, Dr. Z. E. Scott, superintendent of schools at Louisville, Ky., and Dr. Harold Rugg of the Lincoln school, Teachers college, will be the principal visiting speakers and will be on the program at the annual dinner the night of Thursday, March 29. Daily lectures will be given throughout the week by Dr. W. S. Miller of the department of educational psychology, University of Minnesota, discussing individual development; Prof. M. G. Neale, discussing educational administration, supervision, and finance, and by L. V. Koos, professor of secondary education, who will tell of work going on and results obtained at the University High School.

The superintendents section, Minnesota Education Association will convene on Thursday and Friday afternoons, March 29 and 30, under the direction of Superintendent S. E. Hargis, Redwood Falls, Minn.

Tuesday, March 27 will be given over to high school conferences in the afternoon and evening. English, history, science, social science, mathematics, vocational and industrial training, and home economics will be group subjects. The English and home economics groups will have dinners between the afternoon and evening sessions. A luncheon has been arranged for Thursday noon, March 29, by the administrative women's group.

H. S. BASKET TOURNEY SELECTIONS BEGINS

District playoffs for the state high school basketball championship began this week and will continue until the week before the state tournament to be held in the Kenwood Armory, Minneapolis, March 27, 28, and 29. Arno Oss, former University of Minnesota football star, who is managing the tournament has announced that preparation for entertaining the 16 district teams have been completed. Headquarters will be at the Curtis hotel, and the annual banquet will be served there on Thursday, last day of the tournament, according to N. Robert Ringdahl of Shakopee, board chairman.

Games will be played in the Minneapolis tournament Tuesday afternoon and evening, Wednesday morning and afternoon, and Thursday night. The remainder of Thursday will be devoted to automobile trips to points of interest in the twin cities, including the state capitol, University of Minnesota, Minneapolis Institute of Arts, and the oulfr mills. The floor on which the games are to be played will be laid out 85 feet long and 50 feet wide. Several teams expressed a desire to have the floor reduced from the standard 94 feet in length, and their wish has been granted.

COURSES BY MAIL NOW REACH 2500

Increase in the popularity of correspondence courses in the extension division, University of Minnesota, is shown by a list of 2500 students who have been active in one or another of the courses during the past year, as compared with 1800 a year ago, W. C. Smiley, acting director, announced.

More immediate interest was aroused by the course in maternity hygiene, recently begun by the department, than had resulted from any one other course, Mr. Smiley said. In less than two months 100 women from many parts of Minnesota have taken up the maternity hygiene work.

Mr. Smiley is in conference with R. R. Barlow, head of the department of journalism, regarding establishment of a complete series of correspondence courses in journalism. These will be written by Mr. Barlow and other members of the department. The first of them is expected to be ready soon.

MARL AS HIGHWAY MATERIAL STUDIED

Results of the study of marl for road making purposes, an investigation for which the 1921 legislature made an appropriation, have been brought together in booklet form by the engineering experiment station of the University of Minnesota in the first of a series of engineering experiment bulletins which are to be published.

The study includes the results of laboratory and scientific experiments and of the observations made during actual tests of marl in the construction of three roads, one near Rice, Benton county, one east of Pequot, Crow Wing county, and a road in Anoka county built by state maintenance forces. The bulletin, written by Charles H. Dow of the University of Minnesota, is now ready for distribution. F. C. Lang, assistant professor of highway engineering at the University had charge of the investigation, under Dean O. M. Leland. R. E. Bergford and L. C. Brooks of the state highway department assisted.

"U" TRAINS PHYSICAL EDUCATION TEACHERS

The second group of young women qualified to become teachers of physical education in secondary schools will be graduated in June from the University of Minnesota according to Dr. Anna Norris, head of the department of physical education for women. The first graduates from this course which was established five years ago, finished the work last spring. There are seven in this year's graduating course.

"Minnesota superintendents of schools are receiving a new service" from the University through the medium of this course," Dr. Norris said. "Hitherto they have had to look outside the state for teachers of physical education."

Subjects the graduates will be qualified to teach after the four years' course of intensive training include gymnastics, games for young children and team games, folk dancing, interpretive dancing, corrective gymnastics, swimming, anatomy, physiology, and hygiene. They also have studied first aid, chemistry, and biology. The course, which lies in the college of education, includes practise teaching in public schools, the University high school, and in college classes.

Graduates of last year's class are teaching in the State Normal College, Normal, Ill., and in the public schools of Minneapolis, Detroit, Mich.; Alexandria, South St. Paul, and Iowa City.

Notes of Athletics

Among men from outside the twin cities who showed good form in the recent dual track meet with Northwestern at Evanston, Ill., were R. Ulrich of LIVERNE, A. C. Jacobson of WINDOM, PLAINE, H. W. Brown, whose home and B. L. Neubeiser of BELLE in PROVO, Utah and John C. Vezina of ELLSWORTH, Wis., also made the Evanston trip with the track men.

Last week T. N. Metcalf, track coach, issued a statement that undergraduates now have the best opportunity in the history of athletics at Minnesota to make the track team. This is not because the men now out for track are under par, he explained, but because too few men are out to provide the desired number of entries in the various events.

With recent victories over Michigan, Marquette and Wisconsin added to its long list of previous wins, the Minnesota hockey team is in line for the western conference championship. Members of the hockey squad include two men from DULUTH, W. Graham and F. L. Schade, and one from TWO HARBORS, F. Pond.

First "skull practise" by the football team was called last week by Bill Spaulding, head coach, who told his men he wanted to make sure that they were all still there and willing to hit the line as they had done last fall. Spaulding plans occasional "confabs" with his men from now until the snow is off and outdoor work becomes possible. Then serious spring practise will be begun.

The University of Minnesota News Service

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SENATE REGULATES USE OF BUILDINGS

Rules under which the buildings of the University of Minnesota may be used by other than university organizations provide that the work to be carried on should have educational, research or public service values sufficient to justify the use of space to be assigned, the University Senate voted at its last meeting.

"The probable expansion both of the agency and of related university functions should be carefully considered in advance," said the report. "As a rule the agency should be able to support all its own expenses, including heat, light, and janitor service.

"It is the sentiment of the committee that appropriate educational and research activities should be encouraged to locate at the university, and that when the university has no space in its buildings to spare, land might properly be assigned for the erection of buildings by proper outside agencies, under appropriate safeguards."

The resolution pointed out that agencies permitted use of university quarters would be for the most part public, federal, state or municipal, with private agencies admitted only in rare cases when their work would be of broad public significance. These, it said, should be covered by time limiting contracts in which the University of Minnesota should be carefully guarded from exploitation in advertising.

"U" WILL INSTRUCT PLAY SUPERVISORS

Public school and park board instructors will co-operate with the instructors in physical education for men and women at the University of Minnesota in conducting a three months special course for training playground workers which the general extension division is to offer at the university this spring, R. R. Price, director of the division, announced last night. The course will begin Wednesday, April 4, and will continue until June 20. Classes will meet twice a week, on Monday and Wednesday evenings.

The course is based on one given for two years past by the Women's Community Council of Minneapolis. The president of the council decided that better results could be obtained by getting the co-operation of the general extension division and the agreement was reached with the university recently.

Skilled playground supervisors and directors of supervised education are in demand constantly, according to Mr. Price, who expects the course to turn out able workers to supply the needs not only of the larger Minnesota cities, but of many smaller communities as well.

JANSKY TO ATTEND RADIO CONFERENCE

C. M. Jansky, Jr., assistant professor of electrical engineering at the University of Minnesota, will represent the northwest at the conference in Washington March 20, called by Herbert Hoover, secretary of commerce, to discuss interference between radio broadcasting stations. Mr. Jansky received an official invitation from Secretary Hoover today.

"Failure of the law proposed by Mr. Hoover to expand the band of wave lengths that broadcasting stations might use has made the conference necessary. I believe the secretary will suggest enlarging the number of wave lengths open to radio broadcasting stations, all of which are now confined to the band between 360 and 400 meters," Mr. Jansky said.

Manufacturers, broadcasting interests and educational institutions probably will be represented at the conference, Mr. Jansky said.

COUNTYWORK DRAWS "U" HEALTH NURSES

Of 144 public health nurses who have completed work in that course since its establishment at the University of Minnesota in 1918, 43, or nearly one third, have gone into county nursing, most of them in Minnesota counties, according to a recent announcement of Dean E. P. Lyon of the college of medicine, University of Minnesota.

"These women are pioneers and we are very proud of them, Dean Lyon said. We find that, contrary to public opinion, they are doing essentially public health work and are sticking to it."

The next largest group to those in county nursing are the school nurses. Of 17 who have entered that field eight are in country and nine in city schools. Other groups are: Visiting nurses, 7; married, 13; institutional nursing, 5; infant welfare, 10; private duty, 5; instructors in hospitals and public health service, 6; tuberculosis work, 4; veterans' bureau, 3; foreign service, 2; social work, 2; industrial nursing, 1; doctor's office, 1; further college work, 4; city health department, 1; secretary, state board of nurses examiners, 1; unaccounted for, 10.

"Most of these nurses are employed in Minnesota and it gives me great satisfaction to think of this great state being watched over by 43 of our public health graduates," Dean Lyon said.

Present requirements of the course are that the entrant shall have had enough schooling to be able to enter the University of Minnesota, and that she shall then complete satisfactorily nine months of work in residence at the university.

MEMBER LIMIT WINS CLUB INTEREST

The passion for "belonging" has its place in educational activities as well as in others, according to Professor Quincy Wright of the department of political science, University of Minnesota. Last year when speakers were brought to the campus to address students interested in foreign affairs and international relations the meetings were open to everyone. But the attendance was extremely small. Sometimes no more than five or six turned out. With the opening of the present college year Professor Wright organized the Diplomatic Club among men interested in diplomacy, international law, foreign affairs and the like. Membership was made a matter of election. "Our membership is now in the neighborhood of 25 and we have a practically perfect attendance at each of the lectures," the faculty adviser said. "The men appreciate the dignity of the formal organization."

STATE RADIO PLANT MAY GO ON CAMPUS

Erection of a \$15,000 radio broadcasting station at the University of Minnesota and appropriation of 10,000 a year for its support, primarily for broadcasting market and crop news and messages of an educational nature, is proposed in a bill reported favorably to the Minnesota senate last week by the senate committee on markets. A similar measure is being drafted by the house committee on agriculture.

The bill, which is a committee measure, proposes building the station at the University of Minnesota as the logical center for a state radio apparatus, inasmuch as the university was a pioneer in radio broadcasting at Minnesota. C. M. Jansky, Jr., professor in charge of radio experiments, explained.

The Minnesota state department of agriculture would have access to the station for sending such announcements as it might wish. Much of the time would be allotted to speakers on various subjects in which university faculty men are making researches of interest and value to the general public.

The annual banquet for freshman men at the University of Minnesota was conducted in the Minnesota Union the night of March 7. President L. D. Coffman and Otis McCreery, football star of the 1922 eleven, were the principal speakers.

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WATROUS TO COACH GOPHER BASEBALL

Major L. R. Watrous, stationed at the University of Minnesota as an instructor in military subjects, has also been appointed baseball coach for the present season, President L. D. Coffman has announced.

Baseball was brought back as a major sport at Minnesota last spring and this season an effort will be made to increase the student interest that followed resumption a year ago.

Immediately following Major Watrous' appointment as coach, George Myrum of Worthington was elected captain of the 1923 baseball team. Letter men from last year's squad who voted were the captain elect, Harold Severinson, Lester Friedl, Bob Samson, and Selmer Anderson.

The new coach played second base on the Yale varsity team for three years preceding his graduation in 1911. He entered the army as a second lieutenant of artillery and was advanced to be major. The Gophers will begin their conference baseball schedule with Northwestern April 28. Practice games with several of the Minnesota state colleges are being arranged.

SCIENTISTS REBUILD MINN. MASTODON

Scientists at the University of Minnesota are reconstructing in the geology museum the skeleton of a mastodon, a mammoth prehistoric mammal of the elephant group, which was discovered last fall by bridge contractors who were at work near Blue Earth, Minn.

The find consisted of seven ribs and five other well preserved bones. All the bones have their original shape and are large and massive.

The find was embedded to feet below the surface of the ground in the uppermost deposit of glacial drift, indicating that the animal lived after the last ice invasion, or about 50,000 years ago, according to G. A. Thiel, instructor in the department of geology at the University of Minnesota, who identified the bones as those of a mastodon.

Too little of the remains was found to enable the university scientists to reconstruct the mastodon entirely. Further search may be made in the spring to find, if possible, more of the parts.

QUARTER GRADUATION SET FOR MARCH 22

Approximately 60 University of Minnesota students will receive their diplomas March 22 at the completion of the winter quarter. Instead of a general commencement convocation such as was held in the Armory at the close of the fall quarter a dinner to the winter quarter graduates is being arranged by E. B. Pierce, secretary of the general alumni association. President L. D. Coffman will present the diplomas. In all more than 100 students are expected to finish their college work at the end of the present quarter but of these a number will wait until June to get their sheepskins at the larger commencement exercises at the close of the spring quarter.

BIG BEAR FAMILY TO ENTER COLLEGE

One entire family of black bears will leave its home in the north woods next summer to reside in Minneapolis under highly artificial conditions. Upon arriving here, the family will be treated to a thorough stuffing and then will be placed on exhibition in the museum, according to Dr. T. S. Roberts, director of the Zoological museum at the University of Minnesota, and Jenness Richardson, museum taxidermist, who are planning a bear group. James Ford Bell, of Minneapolis, is presenting the group to the University.

"The group will represent a family of black bears in a scene on the Beaver River in August," Dr. Roberts stated. "The material for the foreground was gathered last summer by Mr. and Mrs. Richardson. The case has been constructed and will be installed soon.

"But mind you," he added, "the bears don't know a thing about it—yet! They are still hibernating in their winter dens." The waxwork on the plants in the foreground is being done by Mrs. Jenness Richardson, and includes hairbell flowers, raspberries, bearberries, and many other kinds of berries that make up the bears' food.

The clay model of the group, which was designed by the taxidermist, has been submitted to Mr. Bell, and accepted, Mr. Richardson said.

"It will probably take a year to complete the group, and although it will not be as elaborate as the Heron Lake bird group, it will be much more spectacular," Dr. Roberts said.

DISTRICTS RAISE MOST SCHOOL TAXES

Out of every \$100 provided for public schools in Minnesota in 1921, \$87 came from the school districts, Dr. Fletcher Harper Swift, professor of education at the University of Minnesota, told members of the division of superintendence of the National Education Association at its recent meeting in Cleveland. He discussed inequalities in school burdens.

"In 1922, 14 districts levied taxes exceeding 75 mills, and 52 districts levied no maintenance tax whatever," Dr. Swift said. "Most of them provided neither schools nor transportation. In Sibley county and in Nicollet county, both rich counties, 78 per cent and 52 per cent respectively levied taxes of less than five mills, whereas in Hubbard county and in Mille Lacs county, two of the poorest counties in the state, 47 per cent and 33 per cent of their respective districts levied taxes of more than 20 mills. District 111 in Blue Earth county, he said, levied no district maintenance tax and maintained no school although 27 pupils lived in the district. Conditions were similar in districts 6, 17, and 85 of Mower county, where district 6 has had no school since 1915."

STUDENT BUILDS MINIATURE GEYSER

Minneapolisians need no longer journey to the Yellowstone to see "Old Faithful" geyser in action.

Hissing and spouting away at regular intervals in one of the laboratories of the School of Mines at the University is a glass miniature of the famous geyser, which has been constructed by Henry E. Le Tendresse, a senior geologist in the Mines college.

According to Mr. La Tendresse this miniature was built by him in accordance with a theory which he has worked out after a long period of exhaustive study including three summers spent in Yellowstone park.

Debate Wisconsin April 12

Members of the varsity debating team that will meet a team from the University of Wisconsin on April 12 have been announced by C. F. Lindsley, debate coach. Those chosen are Charles Macdonell, ST. PAUL; Ambrose Fuller, WINDOM; Lester L. Orfield, MINNEAPOLIS; Walter Rice, Leslie Anderson, MINNEAPOLIS; Reyner Larson and Donald Rogers, ST. PAUL.

MEMORIAL DRIVE TO REOPEN APRIL 23

The week April 23-30 has been chosen as the time for the Twin City drive for the University of Minnesota's Stadium and Memorial Auditorium, according to E. B. Pierce, secretary of the general alumni association. The campaign is expected to complete the \$2,000,000 stadium and auditorium fund.

"Plans for the drive are being made, literature is being printed, and committees are being chosen for the state-wide alumni drive," Mr. Pierce said. "The drive will open with a week's intensive campaign in Minneapolis and St. Paul, when all the graduates of the university in the two cities will be asked to contribute their share toward the fund.

"A campaign in Duluth will follow, after which the drive will be made state-wide," Mr. Pierce said. "I feel certain that the alumni will subscribe their quota, just as the faculty and students in the drive on the campus this fall subscribed \$665,000."

UNIVERSITY LOSES HIGH DAM POWER

The University of Minnesota will have no share in the water power generated at the high dam in the Mississippi river between Minneapolis and St. Paul, Secretary of War John W. Weeks told university representatives when they attended the hearing at which water power rights at the dam were given to Henry Ford. The University of Minnesota has asked for 15 per cent of the total power. President L. D. Coffman and Professor George D. Shepardson of the department of electrical engineering represented the university before the commission. If the university is to receive any benefits from the power under the new status it will have to be by private arrangements with the Ford interests, it was pointed out at the close of the hearing.

Pillsbury Orators Named

Frank Hanft, BRAINERD, Minn., is one of the six University of Minnesota students chosen to compete in the Pillsbury Oratorical contest at the University of Minnesota early next month. The winner of the contest will represent Minnesota at the Northwestern Oratorical League contest to be held at Minnesota May 4. Row Wilkins and Erna Schurr, both of ST. PAUL, Lester Herberger, Llewellyn Faulkuchen and William Lundell of MINNEAPOLIS are the other entries. The prizes are 100, \$50, and 25.

"U" to Take Industry Specials.

Minnesotans injured in industry will be admitted to the University of Minnesota as special students on exactly the same basis as are war specials under the veterans' bureau provided the division of re-education, Minnesota state department of education, sends them there for training. This was voted at the last meeting of the university senate on recommendation of E. E. Nicholson, dean of student affairs. Special students are not required to have done all the work demanded for entrance of those who plan to take a straight course leading to a degree. Most of them take courses aimed to give them particular training for an occupation in which they believe they can succeed despite the handicap imposed by injury.

Dr. Finley to visit "U"

Dr. John Finley, educational editor of the New York Times, will visit the University of Minnesota and speak at the college of education convocation set for May 3. Dean M. E. Haggerty has announced. Dr. Finley formerly was president of the University of the State of New York. He is world famous as a traveler and pedestrian, and has made the Holy Land a particular field for study. Dr. Finley will be the guest of honor at the All-Education dinner the night of May 3.

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"U" WILL SCHOOL PHYSICAL DIRECTORS

The University of Minnesota's department of physical education, recognizing the likelihood that a bill for statewide physical education will become law, has announced a complete course in training for teachers of physical education which will be opened when college begins next fall. Meanwhile, according to T. N. Metcalf, professor of physical education, several of the courses will be offered during the summer session, which follows the spring quarter.

The course has been worked out by Professor Metcalf under supervision of Professor Fred W. Luehring, director of the department of physical education.

Students wishing to specialize in physical education will be offered a four years' course leading to the degree of bachelor of science in the college of education. The course is much more than a training school for coaches, such as some universities offer. It will be a well balanced plan of instruction which should turn out men competent to administer a really complete program of physical education and athletics.

"The demand for well trained men in physical education and athletics has always exceeded the supply," Mr. Metcalf said yesterday. "Today this demand is far greater than ever before. The recent war proved a great stimulus to athletics of all sorts. In the last few years 28 states have passed legislation providing for compulsory physical education and health education in the public schools."

"Recognizing the important part physical education should play in our scheme of education, the University of Minnesota is setting up the machinery to give thorough preparation for athletic teachers and coaches of physical education. There has been in operation at the university for a number of years a professional training course for women teachers of physical education. Now we are installing a similar course for men."

All members of the department of physical education, including Mr. Luehring, Mr. Metcalf, W. H. Spaulding, head football coach, Dr. L. J. Cooke, Mr. Watson, and Dr. Brown will teach classes in the several subjects.

In addition to freshman physical education and freshman hygiene, subjects to be offered in the new course for teachers of physical education will include history of physical education, principles of physical education, organization and administration of physical education, athletic organization and administration, leadership, minor sports, gymnastics, scouting, physical examination and normal diagnosis, athletic training, football, basketball, track athletics, baseball and practice teaching.

Evening courses in the extension division will be offered next year if there is enough demand from teachers and coaches in the twin cities. F. W. Luehring, director of the department, announced.

Courses to be given in the first summer session, beginning June 20, will be: athletic organization and administration; athletic training; football, basketball, baseball, track athletics, advanced swimming and lifesaving, playground supervision, apparatus work and tumbling, boy scout leadership. These will be repeated at the second summer session in August if there is a sufficient demand.

Chemical Engineers Tour

About 25 members of the senior chemical engineering class at the University of Minnesota recently made the annual tour of inspection of middle western factories that make use of important chemical processes, which they can study at first hand. Milwaukee and Chicago were the principal stops at those two cities exemplify most of the important industrial chemical processes according to Professors C. A. Mann and G. H. Montgomery, who conducted the party. All students pay their own expenses. Cement, paint, glue, coke and gas, steel, soap and glycerine, starch, stearine and wire, bottle, clock, packing and many other plants were visited by the senior engineers.

GEOLOGISTS DISCOVER RICH SAND DEPOSITS

Foundry sands for core and form making formerly brought into Minnesota by hundreds of carloads annually are now obtained almost altogether within the boundaries of the state as a result of discoveries by the geological survey conducted by the University of Minnesota, Prof. W. H. Emmons, director of the Minnesota Geological Survey and head of the department of geology has revealed.

In abundance of the sands used in brass founding and casting, most of which were formerly brought from Albany, N. Y., and some from as far away as France, has been found in southeastern Minnesota. Mr. Emmons said.

Everything in the way of foundry sands needed by the more than 40 foundry establishments in Minnesota now can be obtained within the boundaries of the state with the exception of fire clay. No fire clay has been found, and although the search for it will continue, that commodity is still being brought in from elsewhere.

"Without coal, Minnesota can never be a self sufficient state, but little by little discoveries are being made that bring the state nearer to self-sufficiency," Prof. Emmons said. "The work of the geological survey on foundry sands has been one of these steps."

Foundry sands now obtained within the state for \$2 or \$3 a ton formerly cost nearly that much in freight in many instances. Those brought from France cost vastly more than that in freight only, Mr. Emmons pointed out. The French brass sand cost about \$15 a barrel. Its exact equivalent now is obtainable in Minnesota.

Discovery of the Minnesota foundry sands, now made public for the first time, has been known to foundrymen for about three years. The work of seeking for them came as a result of war time regulations when every effort was being bent to reduce transportation of all but the most essential commodities. The government banned shipment of these sands into Minnesota and the search was begun by the state through the University of Minnesota authorities. Bulletin No. 18 of the Minnesota Geological Survey, soon to be off the presses, gives the results of the investigation. It was written by G. N. Knapp and edited by Mr. Emmons.

Minnesota concerns now using Minnesota sands include the following: American Gas Machine Co., Albert Lea; Austin Foundry; Parker and Topping Co.; Brainerd; Ess Bros.; Chaska; Crookston Iron Works, Crookston; Cloquet Foundry; Clyde Iron Works, Duluth; Duluth Foundry and Faucet Co.; Duluth Iron Works; Minnesota Radiator Co.; National Iron Co.; Fairmont Gas Engine Co.; Faribault Machine Shop; Winter & Co. and Nutting Truck Co.; Faribault; Fergus Falls Iron Works; Oliver Iron Mining Co., Hibbing; Smith Grubber Co., La Crescent; Gillet-Saton and Squire Co., Lake City; Little Giant Co., and Mankato Foundry Co., Mankato; New Prague Foundry Co.; Ortonville Foundry; North Star Iron Works and New Owatonna Mfg. Co., Owatonna; C. W. Peavey, Paynesville; Red Wing Iron Works; Granite City Iron Works and St. Cloud Iron Works, St. Cloud.

Molding sand is being obtained at Kerrick, St. Paul, Mankato, and Faribault as well as at Cloquet, Lake City, La Crescent, Paynesville, and Red Wing. Core sand is being taken out for commercial uses principally at St. Peter, but also at St. Paul, Minneapolis, Austin, Cloquet, Crookston, Faribault, Fergus Falls, Hibbing, Mankato, La Crescent, Lake City, Red Wing and Paynesville. Several Duluth concerns are using Lake Superior sands for core making.

Two principal sand formations called by geologists the St. Peter and Jordan formations because of their abundance at those two Minnesota towns occur at various places throughout the state and throughout the United States, the survey shows.

The bulletin includes an extensive treatise on foundry work in its relation to the use of molding and core sands and the like.

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BUSINESS STUDENTS WORK AT REAL JOBS

Part time experiments in actual business which students in the school of business at the University of Minnesota are carrying on in conjunction with their daily studies on the campus are helping to solve for these students one of the most troublesome problems of the college man according to Z. C. Dickinson assistant professor in charge of personal work. The problem, Mr. Dickinson declared, is that of finding a job the man likes. By actually working part time in an industry, office, or bank in the twin cities, nearly one half of the students in the school of business are getting a big lift towards the "niche" which so many college graduates miss for a time before becoming settled.

In more than 20 large business concerns in the twin cities, 29 seniors in the school of business and about 65 others are obtaining experience under the actual working conditions of the full-time employee. The 29 seniors are given their jobs under an agreement between the 20 firms and the school of business. The others are men and women who have found work on their own initiative.

Students working under the agreement between the school of business and the downtown business houses receive no pay, but are allowed by their temporary employers to handle their jobs as if they were regular members of the force. For the work itself, Mr. Dickinson explained, the students get no college credit. The advantage to them comes from gathering information and experience which they can make the basis of discussion or papers in advance business courses for which credit is allowed.

In the fact that a high percentage of these students who try part time work find a position that they enjoy and in which they continue on leaving college is the more practical advantage of the arrangement, Mr. Dickinson said.

WAR SPECIALS WIN FULL REGISTRATION

Although none of them had full college preparation and one had never followed his preliminary studies beyond the fourth grade, a group of 35 Veterans Bureau trainees who have been attending the University of Minnesota as "War Specials" have been admitted as regular students in full standing following the discovery that their marks were fractionally better than the average for fully prepared men students at the university. These men are the pick of 189 war specials at the University of Minnesota according to Dean Edward E. Nicholson who made the announcement. Forty-one of these 189 have recently entered and are as yet ineligible for full standing. Some of the others will be given that privilege later, he said.

The "War specials" advanced to full standing had an average of 1,200 hours of credit which means that their grades average between C and B.

According to Dean Nicholson the men are intensely proud of their record and are taking a wholesome and loyal attitude to the university that has proved very helpful.

NEW RIGHTS GRANTED TEMPORARY STUDENTS

Recognition by the liberal arts college in the University of Minnesota of the needs of a growing number of students who begin college work knowing that they will not go on to graduation or who prefer above a diploma the privilege of taking more than the usual amount of work in subjects which will help them in the special field they plan to enter, has been given by faculty action waiving some of the junior college restrictions on such students, J. B. Johnston, dean of the college of science, literature, and the arts has announced.

The change means, he said, that the student who desires to do serious work of college caliber in preparation for business, public service, social work, or any of a large number of vocations, but who can not see his way clear to devote four years to college, can nevertheless take advantage of opportunities held out by the state university for work that will benefit him within the limits of time that he can spare for it.

"At first the innovation will be by way of experiment, but I believe it has possibilities for broadening considerably the service of the University of Minnesota to the people of this state," Dean Johnston said.

The experience of the university has been that a rapidly increasing number of students in the college of science, literature, and the arts, the "arts college" have dropped out before reaching their junior year, also that an increasing number of junior college students, freshmen and sophomores in the arts college, are taking work preparatory to entering one of the professional schools rather than working for a degree.

"The thing we have not recognized is that there are many students who are neither aiming at a degree in this college nor planning to go ahead in one of the professional schools," Dean Johnston said. "We have played ostrich and made no special provision for them with reference to their development. There has been no way to learn their aims. We plan now to liberalize the practise of the college and to recognize those who come here for a short time as bona fide students who are worth while."

"We shall not call these students 'specials,' but will deal with them as a group in the regular junior college. If those who are aiming at a vocation find in the catalogue something they think will be especially helpful, they can take it. The main thing is for us to help them do what they can in the time they devote to it, with special reference to the aims of individual students."

Correlated with the broader practise of the arts college is to come a development of vocational guidance for freshmen and sophomores, Dean Johnston explained. Too many college students, especially those who are unlikely to remain four entire years, are confined too strictly by curriculum requirements or flounder about from lack of parental advice of judgment, he said. Students who enter in the group granted the new privilege will be expected to select their studies under the guidance of advisers.

The technical change which makes the new situation possible consists principally in a rule that students not desiring to graduate may elect freshmen and sophomore work freely, under an adviser's guidance, except that all must take freshman rhetoric. Students who plan to go ahead for a degree have practically all sophomore and freshman work prescribed for them in the "groups" they must choose.

"We hope that under this plan the student will awaken and seek the most beneficial courses," Dean Johnston explained. "They will seek special work in engineering and agriculture."

Students who now say they do poor work "because they didn't want the course" will have that useful excuse removed from beneath them, and those who now are frivolous should do better work in studies they have chosen freely, he said. He pointed out that the advice of vocational guides is necessary because the state must not be obligated for expenditures to support courses designated solely by the immature judgment of college freshmen.

"U" HOSPITAL GIVEN CANCER INSTITUTE

A gift of \$250,000 from Mrs. George Chase Christian of Minneapolis with which to erect a cancer institute at the University of Minnesota as part of the University hospital, for the investigation, treatment and cure of cancer was announced today by President L. D. Coffman after the board of regents at its April meeting had voted unanimously to accept the donation.

The gift was made in the name of the Citizens Aid society, of which Mrs. Christian is president, a society of donors to which additional gifts for the cancer institute or like purposes can be made in the future. F. B. Snyder, president of the board of regents, said. The hospital will be a memorial to the late George Chase Christian, Minneapolis business leader, who died about two years ago.

According to E. P. Lyon, dean of the school of medicine at the University of Minnesota, the gift will result in immeasurable advantage to the school of medicine in giving instruction to the physicians who guard the health of Minnesota and will contribute to the general body of medical knowledge.

Of the principal of the gift, it is provided that \$200,000 shall go for the erection of the building and \$50,000 for radium and X-ray equipment. Special technicians in radiology and X-ray operation will be members of the staff. The 50 beds of the hospital will be primarily for the use of cancer patients, but in case all of them are not required for that purpose other patients may be accepted.

The University of Minnesota for many years past has been and is now conducting a medical school suitably equipped with buildings, apparatus, and a teaching staff to carry on properly and efficiently the work of the school, "say the articles of gift." "The hospital facilities, however, are limited, and there is need of additional beds. As now organized the school has neither hospital facilities nor radium nor an X-ray machine adequate to treat cancer as those afflicted with that dread disease should be treated and cared for."

"The donor has investigated and is familiar with the conditions existing at the medical school at the university and believes that the donor can render to the university and through it to the people of the northwest a beneficial and lasting service by setting up on the campus a hospital for the investigation, alleviation and cure of those afflicted with cancer and offers to make the gift hereinafter mentioned provided the University will accept the gift and fulfill the terms and conditions upon which it is made."

The money will be placed in trust with the Minneapolis Trust Company subject to the orders for payment by university authorities when the work begins. Professor James H. Forsythe, University of Minnesota architect, has begun work on the plans.

The articles say further: "Believing that there are other persons who may from time to time desire to provide gifts or endowments for the maintenance and development of the general work of the institute, or more specifically, to endow one or more beds, to encourage and promote highly specialized forms of research, to establish and maintain a library of distinction and merit, to disseminate information, to hold free clinics at various centers, buy slides or films, pay for the preparation of articles or the delivery of free lectures, opportunity will be provided for them to make the gifts directly to the cancer institute of the University of Minnesota."

The university agrees to maintain the hospital of not less than 50 beds and to provide the proper direction and management. The donor society specifies that cancer patients shall have first call on the hospital facilities, but that if fewer than 50 beds are needed for that purpose at any time other patients may be admitted temporarily. The hospital is to be operated on a self-supporting basis.

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SUMMER SESSION PROGRAMS ATTRACT

In addition to a wide offering of cultural and practical subjects such as are given always, the two summer sessions at the University of Minnesota this year will present an opportunity for specialized work in a large number of courses not stressed in past years. The program has been greatly expanded with respect to physics education training, Americanization work, and home economics, according to Dr. A. V. Storm, director of the summer session. Mr. Storm has been appointed director to succeed the late J. J. Pettijohn, who died in March.

The University is making a strong effort to fill the needs of Minnesota communities which will employ directors of physical education under the new state law encouraging the establishment of such a department. Practically the entire physical education and coaching staff for men will teach special summer courses and in physical education for women there will be a wide range of subjects.

The first summer session will run from June 26 to August 3, with registration on June 23 and 25. The second session will run from August 6 to September 7, with registration on August 4.

The campus of the University of Minnesota, high above the Mississippi river at a point near the head of the attractive lake with wooded shores formed by the new government dam, is at its best during the summer session months. Plans are complete to take full advantage of the opportunities for outdoor dramatic and choral singing, together with other summertime recreations. Prof. I. V. Jones of Beloit, who has made a name for himself during past summers at Minnesota, will be associate director in charge of recreational work.

Interesting among the Americanization courses will be one in the technique of teaching adults. The increasing attendance in night classes and special Americanization schools has made training in the field of adult teaching a necessity, according to Dr. Storm.

"U" MONEY REQUEST CUT BY \$600,000

The University of Minnesota received an appropriation of \$3,150,000 a year for the two coming years from the 1923 Legislature, recently adjourned. The sum granted amounted to a reduction of approximately \$300,000 a year from the figure asked by the Board of Regents, the report of the joint finance committee of the house and senate pointing out that reductions from the figures asked had been made in the case of practically all money bills placed before the legislature for approval.

The request of the University for an increased appropriation for the coming biennium was based on the need for expanding the teaching force, as the attendance has grown 20 per cent since the 1921 legislature met, to 100 per cent in each year of the biennium. Indications are that the growth during the coming year will continue at about the same rate.

Eventually the University of Minnesota will be benefited by the supreme court decision declaring the occupational tax on the mining of iron ore constitutional. The so-called "tonnage tax" measure passed by the 1921 legislature and now upheld provides that 50 per cent of the annual proceeds of the tax shall be paid into the general revenue fund, while 40 per cent goes to the permanent school fund and 10 per cent to the permanent university fund.

If proceeds of the tax average between \$2,000,000 and \$3,000,000 a year in all, as is expected, the University of Minnesota will receive between \$200,000 and \$300,000 annually from that source. It will be able to use for current expenses, however, only the interest on that sum, amounting probably to not more than \$15,000 a year at first.

ENGINEERS TO TEST HEAT LOSS IN WALLS

Householders who rise in the early morning, put on bathrobe and slippers and shuffle down to open the furnace of a winter morning are to receive first aid from the engineering experiment station at the University of Minnesota.

"Where did all the heat go?" that the engineers according to F. B. Rowley, universal question, will be answered by director of the laboratory, who said last night that a special "cold room" where a temperature of 20 degrees below zero will be maintained is being built for experiments to determine which wall materials best hold the heat and which let it through most rapidly.

The "cold room" will be used also in a number of other experiments soon to be got under way. The effect of that temperature on automobile starting and lubricating systems, also the effects of extreme cold and temperature changes on road materials and on freshly poured concrete walls are to be examined.

The room, 12 feet by 12, is being equipped with a refrigerating system that includes a twin cylinder ammonia compression type machine, motor driven, of seven and a half tons capacity. Eight inches of insulation are to be provided.

For the experiment to determine heat transmission of wall materials a box will be built into one wall of the cold room, so arranged that sample of wall material can be inserted on one side of the room. On one side of the sample an even temperature of 75 degrees Fahrenheit will be maintained. On the other side the 20 degrees below will gnaw and snarl at the warmth. Meters will be installed to register the amount of heat provided on the warm side, and as the box will be so arranged that the heat has no place to go but through the wall, the heat that has to be furnished will be the equivalent of that which seeps through.

Helpless automobile engines will be seized by the stern engineers and thrust into the violent chill of the cold room. The relative merits of various starting devices will be tested.

F. C. Lang, who is engineer for the Minnesota highway departments as well as professor of highway engineering at the University of Minnesota, will conduct the experiments on road materials to determine how they act under extreme cold. Concrete roads and bituminous surfacing and binding materials will be studied. In these tests small samples of the road surfacing will be prepared and placed in the cold room for a long enough period to indicate its resistance.

Whether the setting of concrete goes ahead normally when the material has been frozen before setting was complete and then thawed out again will be another of the subjects taken up for study.

GROUP WILL STUDY RELIGION ON CAMPUS

The University of Minnesota is one of 20 representative American institutions of higher learning from which the University committee of the Council of Church Boards of Education will seek data concerning the religious life and activities centering on or near the campus.

Dr. O. D. Foster, secretary of the committee, met recently with University of Minnesota group consisting of Dean George W. Dowrie of the school of business, C. P. Barnum, secretary of the University branch, Y.M.C.A., and Rev. Henry H. Frost of the First Methodist church and Wesley Foundation.

Statistics gathered in previous surveys show that in general, 70 per cent of the students attending American universities come from Christian homes, Dr. Foster told the Minnesota representatives. He said that he expects to find these figures borne out by the survey at the University of Minnesota.

President Coffman has named Dean Dowrie and Dr. Barnum to gather data on the religious life at the University, and they have asked Dr. Frost's cooperation. The committee will offer help to Dr. Foster and also will make some special investigations of its own for which Dr. Coffman has asked.

University of Minnesota News Service

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Its purpose is to inform the people of Minnesota of the activities and progressing accomplishments of their state university, its students, administration, and faculties.

Reprints of any or all articles may be made with or without credit line.

Address all communications to Thos. E. Steward, Editor, 105 Publications Bldg., University of Minnesota, Minneapolis, Minn.

NEW LAW GOVERNS STUDENTS PAPERS

The government of student publications at the University of Minnesota has been reorganized on a merit basis which takes the appointment of editors and business managers out of student politics and places it in the hands of a board composed partly of faculty members and partly of students. Election is now to the board of publications instead of to the offices direct. For the faculty on the board are President L. D. Coffman, R. R. Barlow, head of the department of journalism, and E. E. Nicholson, dean of student affairs.

The new board will name the managing editors and business managers of the Minnesota Daily, the student campus newspaper; of the Ski-U-Mah, a monthly student magazine, and of the Gopher, the year book put out by the junior class.

Samuel Sutherland of Minneapolis, a student in the college of engineering, was elected president of the board of student publications at the recent election. Theodore Walters of Oklahoma was named a member to represent the academic college; Conrad Hammer, ODIN, Minn., for the College of Agriculture, forestry, and home economics; I. Caryl Chapin, ROSEAU, for engineering, chemistry, and mines; and Harold Baker and Harold Westerman, both of Minneapolis, to represent the other colleges of the university.

Students elected to the All-University Student Council at the same time were Eleanor Piper, ANOKA, and James U. Bohan, ST. PAUL, to represent the academic college; John H. Moore, DULUTH, engineering; Mildred Deebach and Gordon Strate, both of ST. PAUL, medicine and nursing; Edgar H. Johnson, WAUSA, NEB., pharmacy; Bernard C. Hutchinson, DULUTH, mines; Edward Stafne, MINNEAPOLIS, dentistry; Herman R. Wiekert, MANKATO, Business; Florence Sparks, LAKE FIELD, and Paul D. Peterson, MINNEAPOLIS, forestry, agriculture, and home economics; Nathan Coggeshall, Mapleton, law; Alvin Fuhrman, SPOKANE, Wash., chemistry; Ruth Miller, DULUTH, education.

Commencement Speakers Provided

More than 100 Minnesota high schools will be supplied with commencement speakers by the University of Minnesota general extension division this spring, according to L. J. Seymour, who directs community work. Arrangements are made with leading faculty speakers through the medium of the extension office, he said. The number of communities served last year was about 100 and an increase is indicated for 1923. Favorite speakers in past years have included Dean G. W. Dowrie, school of business; Dean W. C. Coffey, department of agriculture; Dean Everett Fraser, law school; Dean E. P. Lyon, school of medicine; R. R. Price, director, extension division; Professor James Davies, department of German; Dr. A. E. Jenks, department of anthropology; E. B. Price, alumni secretary; Professors J. S. Young, political science, S. B. Harding, extension division, and F. M. Rarig, public speaking.

May Get U. S. Forest Station

Whether Minnesota is to be awarded the new federal forest experiment station provided for under a \$50,000 grant made by the last Congress will be determined by a special forestry committee of the United States senate which visited Cloquet on May 12 to inspect the site there recommended by the University of Minnesota. The University now maintains a forest experiment station there which, it contends, would make an ideal basis for the establishment and material enlargement of forest experiment work by the United States government. A. J. Lobb, comptroller of the University of Minnesota, attended the hearing of the senate committee at Cloquet and stated the institution's case.

DIME IS BASEBALL TICKET PRICE AT "U"

A record for low admission cost to athletic contests at the University of Minnesota is being established this spring with the introduction of "Ten Cent Baseball" by F. W. Luehring, director of physical education. Season tickets to the ten scheduled baseball games have been sold for 1. on the basis of a dime a game. With admission to all athletic contests lowered to a basis nearly as reasonable as this by the season book method, which admits to football and practically all other athletic competitions during the year, Minnesota is now producing athletic entertainment at a cost that enables every student to attend. The higher admission prices are paid by those who fail to take advantage of the opportunity to buy a student book.

"PREXY" ONCE WAS COACH; ADMITS IT

Lotus D. Coffman, president of the University of Minnesota, used to be a coach of athletics.

Athletic fans at the university were treated to a surprise recently when "Prexy" told how for seven years, when he was principal of a high school in southern Indiana, he helped direct the football, track, and baseball teams.

Incidentally, he brought the track fans to their feet with his description of the way a rangy Hoosier farmer boy trained for the mile run, which his high school had to win in order to figure in an Indiana interscholastic meet.

"Our only chance," said Prexy, "was a tall, incredibly thin boy who lived about four miles from town. His name was John. With his sister, he drove to and from school daily in a rattletrap of an old buggy. I thought I saw speed in him but he had no time to practice. He had to leave school as soon as classes were dismissed so that he might reach home in time to do the chores. I sought the sister's advice."

"You just leave that to me," she said. "I was President Coffman's description. 'I'll train him'."

"And she did. When they started to school, John put on his running shoes, his sister goaded the old horse to his full speed, and in they came to town. John paunting after the buggy. Homeward bound, it was the same story."

"Finally came the day for the meet. 'John,' I said, 'how fast can you run the mile?' 'Why,' was his reply, 'I'm sure I can't say. I never ran anything under four miles in my life.'"

"'Well,' I said, 'you go in and show them how it ought to be done.'"

"When the race was over John led by fully 220 yards. He had gone the first mile of his usual four in 4.46½. I don't remember exactly, but I think his sister and some of us teachers had to stop him and tell him the race was over. Anyway, he had won the meet for his team. In all my experience as a teacher I never had any experience more satisfying than that."

GIRL STUDENTS GET 1923 SCHOLARSHIPS

Twenty-six scholarships for the coming college year have been awarded to women students at the University of Minnesota on the basis of scholarship and personality. Among those going to young women from outside the twin cities were the Mrs. George P. Douglas scholarship of \$100, awarded to Miss Ruth Thompson, MALUNG; George H. Partridge scholarships of \$100 to Miss Naomi Larson, LITTLE FALLS, Miss Anna L. Rice, ROSEAU, and Miss Mary Gilliach, BIWAIBIK; a \$100 prize to Miss Maudie A. Gernes of WINONA, student of the College of Education; a prize of \$150 awarded by the College Women's Club of Minneapolis to Miss Catherine Welch, LAMBERT, Mont.; and a \$150 scholarship from the student section of the Faculty Women's Club awarded to Miss Isabel Foot, KALISPELL, Mont.

EXPERTS SENTENCE OL' SWIMMING HOLE

That the old swimming hole is unsanitary, unscientific, and has tin cans on the bottom, whereof it must give way to sweet and up-to-date municipal swimming pools, whatever the late James Whitcomb Riley may have thought, is the revolutionary statement of Ole Forsberg of Hibbing, chairman of the swimming pool committee of the League of Minnesota Municipalities, who is working out a complete report on municipal swimming pools to be presented to the league at its annual meeting at Faribault next June.

The ultra-violet ray must replace the direct rays of the sun upon the once muddied waters and even it will be brought to bear on the water alone as a purifier. It will not sunburn the backs of the splashing lads, for they will not be allowed to get under it. Other points Mr. Forsberg is working on are a study of bacteriological standards for safe conditions in pools and the use of chemicals to control algae in outdoor pools. A committee under Dr. W. F. Bleifuss of Rochester is working on problems of garbage and refuse disposal, with a view to evolving a model system for the 177 Minnesota communities that are members of the League of Minnesota Municipalities. The league is one of the extension activities of the University of Minnesota. A questionnaire is soon to go to all the towns and cities, asking their experience in garbage disposal.

Municipal bonding and indebtedness, city and village planning, accounting, sanitation, public safety and the tourist camp problem are matters that will receive particular attention at the Faribault convention. Charles F. Keyes of the board of estimate and taxation, Minneapolis, is chairman of the committee on taxation. M. B. Lambie, University of Minnesota is the executive secretary.

UNIVERSITY ADDS TO PHYSICS STAFF

Dr. J. H. Van Vleck, now at Harvard, and Dr. Gregory Breit, who this year is National Research Council fellow in physics, also at Harvard, have been appointed to assistant professorships at the University of Minnesota, department of physics, following the announcement that Professor W. F. G. Swann has resigned to go to the University of Chicago. Dr. Van Vleck, a son of Prof. Van Vleck of the University of Wisconsin, is a specialist in studies of atomic structure. Last year Dr. Breit distinguished himself while conducting research experiments in physics in the University of Leyden, Holland.

Dr. Swann, whose studies to account for the earth's electric charge have won wide attention, was held at Minnesota last year by an increase of salary, but this year he received an offer from Chicago which Minnesota could not meet.

Both of the new Minnesota professors have published notable studies in the subject of physics.

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TO GRADUATE 1250 AS YEAR CLOSES

The University of Minnesota will present diplomas and wish Godspeed to 1250 seniors who will be graduated from all colleges the morning of Wednesday, June 20, at the annual commencement exercises. President David Kinley of the University of Illinois will be the speaker at the Commencement exercises in the University Armory. The deans of the several colleges will present their graduating groups to President L. D. Coffman, who will give out the diplomas.

Rev. Noble Elderkin of Pilgrim Congregational Church, Duluth, Minn., was the speaker at the Baccalaureate service conducted on Sunday, June 10, at 2:30 p.m. Seniors, in cap and gown, gathered on the picturesque oak knoll at the center of the campus and marched to the Armory for the service. The students had been asked to vote this year on continuance of the annual baccalaureate address and expressed a preference for it by an overwhelming majority.

Names and the exact number of graduates from each college will be made known at the commencement exercises. The largest group will be graduated from the academic college, with education, medicine, agriculture, and home economics, and engineering next in order.

FOREIGN STUDENTS PRODUCE MAGAZINE

Headquarters of the Corda Fratres Association of Cosmopolitan clubs in American Universities, an organization in which foreign students come together for mutual helpfulness and social diversions, has been established at the University of Minnesota and the "Corda Fratres Review," publication of the association, is being edited there. Dr. Harold J. Leonard of the college of dentistry is general secretary; George H. Childs is editor-in-chief, and Gordon L. Flack, business manager, all stationed at Minnesota.

The Association of Cosmopolitan clubs now has chapters in 49 American institutions of higher learning, including most of the state universities and many of the endowed colleges in the east. The executive chapter, first established, is at the University of Indiana, while Minnesota has the second chapter.

The leading article in the current issue of the "Review" is by Lort Robert Cecil, the English statesman, who recently visited the United States. Among other contributors are Manuel L. Carron, a prominent student at Minnesota, who comes from the Philippine Islands, and Wan L. Hsu, a Chinese student at the University of Michigan.

Summer Sessions Approach

The first term of the annual summer session at the University of Minnesota will open June 26 and continue until August 3. The second term will run from August 6 to September 7 according to announcement by Dr. A. V. Storm, director of the summer session. A combined registration in the two sessions of 3500 is expected, according to Dr. Storm. Special stress will be laid on courses in home economics, physical education for men and women, music, and Americanization, in addition to the large number of regular courses to be given in the various colleges. Courses in metallurgy will be offered in the school of mines this year for the first time during a summer session.

Dean Lyon to Visit Edinburgh

Elias P. Lyon, dean of the school of medicine at the University of Minnesota, and Dr. L. G. Rountree of the Mayo clinic, Rochester, Minn., have sailed for Scotland, where they will attend the meetings of the International Physiological Congress at the University of Edinburgh the week of July 24. With their wives, Dean Lyon and Dr. Rountree will visit most of the important physiological laboratories in Norway, Sweden, and Denmark, and some of those in England after the close of the Physiological Congress.

SELECT TWO DEANS; BOTH FROM KANSAS

Two college deans who are now in the service of the University of Kansas, at Lawrence, Kan., will be members of the administrative staff at the University of Minnesota next year.

Anna Dudley Blitz, a graduate of the University of Minnesota in the class of 1902, will return to Minneapolis as dean of women, succeeding Dean Jessie S. Ladd, who has retired. F. J. Kelly, dean of administration at Kansas, comes to Minnesota as assistant to President Lotus D. Coffman and director of the summer session. Both have been eagerly sought by the University authorities and President Coffman has expressed his satisfaction over their acceptances.

Dean Blitz has recently been elected president of the National Association of Deans of Women. President Coffman visited the annual meeting of that body and while there determined to offer the position to her. Dean Kelly has been making a survey of the teaching load in representative colleges and universities throughout the United States, and will come to Minnesota with a particularly good equipment for helping in a solution of that increasingly important problem in educational economics.

COUNTY BOARDS GET NEW HOSPITAL DUTY

County commissioners in Minnesota counties have been allotted the duties formerly given judges of probate, of signing certificates of admission to the University of Minnesota hospital at Minneapolis for residents of a county who in their judgment require treatment at that institution.

Dr. L. B. Baldwin, superintendent of the hospital, has sent out an announcement calling the change in law to the attention of county commissioners.

The original law, passed by the 1921 legislature, provided that a judge of probate should sign the certificate, following receipt of a physician's recommendation. The only change made by an amendment which the recent legislature passed is to give each commissioner the duty of signing this certificate for patients residing in his district in the county.

When patients are sent from Minnesota counties to the University of Minnesota hospital under the amended law the state meets half of the expense, the cost to the county being reduced by an equivalent amount.

Dr. Baldwin called attention to the fact that the report of the doctor's examination must accompany all applications for admission signed by county commissioners.

WILL SEEK MINES IN SOUTH AMERICA

A search for mineral treasure somewhere in the wilds and fastnesses of South America will occupy the summer vacation of Professor W. H. Emmons, head of the geology department at the University of Minnesota.

To add to the romance of the adventure there is the fact that Professor Emmons knows neither where he is to go, nor what he is to prospect for. But he believes it will be a search for gold. And he will be employed by a French exploration company of which he does not even know the name.

"That is the way transactions of this kind are carried out," he said yesterday. "The company has dealt with me through an agent. I have checked up the agent and found him reliable. So I shall go ahead with the exploration."

Professor Emmons will leave for South America soon after the close of the spring quarter in the middle of June. He expects to be gone until fall. He will sail for the east coast of South America.

His trip to seek treasure will have no connection with his duties at the University of Minnesota.

University of Minnesota

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FRESHMEN TO LEARN RELATIONS IN WORLD

University of Minnesota freshmen are to be taught to realize what they are and how they stand in relation to the world of nature and to the organized society in which they live.

After discussions and consideration spread over a period of several months the faculty of the academic college has decided to introduce next year a course in orienting the student, to give him his bearings as he prepares to enter the world as an individual unit on his own responsibility.

Next year the course will be introduced experimentally at the beginning of the winter quarter, when it will be offered to a group of 10 average freshmen during the winter and spring quarters. If it proves satisfactory "orientation" may be made a required subject for all freshmen after another consideration by the faculty.

Dean J. B. Johnston of the academic college desires the course as one "intended to assist the student to a synthesis of his present knowledge, to orient him in the world of nature, of man, and of organized society; and to arouse in him a consciousness of his relationships and a realization of his responsibilities."

Minnesota in establishing the new course follows the lead of a great many other institutions where a course with similar purposes but varied to correspond with the ideas of the various faculties has been offered. Information was obtained from the institutions which offered an orientation course and Dr. J. J. Coss of Columbia University, director of the course there, under the name of "Contemporary Civilization" visited the University of Minnesota and outlined the way in which that work had been prepared and given at his university.

UNIVERSITY PARAGRAPHS

Herman Wiecking of MANKATO, a senior in the college of business, has been elected president of the All-University council for next year. The council is the principal body representing the students in the University of Minnesota plan for co-operation in government between faculty, administration and students. Paul Peterson, MINNEAPOLIS, was chosen vice-president; Eleanor Piper, ANOKA, recording secretary; Ruth Miller, DULUTH, corresponding secretary, and James Bohan, ST. PAUL, treasurer.

Plans for a huge outdoor dramatic production at the University of Minnesota next fall, probably with a nationally famous actress in the leading role, have been announced. "Electra" is the probable choice of a play. Edith Wynn Matheson may be asked to take the leading part. The production will be made by Pi Epsilon Delta, honorary dramatic fraternity. Carlton Neville of WINONA, a leader in campus dramatic activities, has been elected president of Pi Epsilon Delta.

STUDENT COMPOSER HONORED BY SCHOOL

A rare honor for an undergraduate student was enjoyed last week by Celius Dougherty, junior in the school of music at the University of Minnesota, when a concerto composed by him was played by the University Orchestra, he playing the piano solo parts.

Dougherty shows rare talent as a composer according to Carlyle Scott, director of the school, and Donald Ferguson, instructor in composition. He is a native of Glenwood who has been at the University of Minnesota for three years. He also has studied under Harrison Johnson and other teachers. His instructor in piano at Minnesota has been William Lindsay.

"Dougherty's talent lies as much in his originality as in his form," Mr. Ferguson said. "Ideas are apparent in his compositions. He is one of the few student composers who make a melody that grasps one and makes itself remembered." Hitherto the Minnesota student has confined himself to composition of songs, his concerto being his first major composition. He began writing it last fall and has completed it only recently. He would have finished it and played it during the winter quarter, but illness prevented.

The concert in which Mr. Dougherty's composition was a part was the third of the annual series of three university recitals in which the music students of special talents participated.

Only one other student composition has been played in public recital this year, a string quartet by Theodore Finney, son of Professor Ross L. Finney of the sociology department.

Dougherty has already launched himself on a career as a pianist. During a period in the winter he served as accompanist for Riccardo Martini and George Meader at a number of recitals in the middle west. He will continue his studies at the University.

HARRISON WINS LAW SCHOLARSHIPS

Landreth Harrison, a graduate student at the University of Minnesota, has been awarded a traveling fellowship in international law by the Carnegie Endowment for International Peace. He will spend next year studying in Europe, spending most of his time in Paris. Mr. Harrison came to the University of Minnesota from Glasgow, Mont.

During the present year he has been doing graduate work at Minnesota under a Carnegie fellowship from the Endowment for International Peace, with the understanding that he should spend the year at Minnesota working under Dr. Quincy Wright. He has written a thesis on the work of the International Joint Commission between the United States and Canada, the body which has been investigating the Great Lakes-St. Lawrence Waterways project. Mr. Harrison will be awarded his degree of master of arts this spring on the strength of this work.

The fellowship won twice by the Minnesota student is awarded annually to but to men and is the only existing American fellowship in international law according to Dr. Wright.

President Speaks at Ohio State

President L. D. Coffman, University of Minnesota, delivered the commencement address at the Ohio State University, Columbus, Ohio, on June 12. He spoke also at the graduation exercises of the Brainerd state teachers' college, Brainerd, Minn., and at the Coleraine, Crosby, and Elk River high schools.

Correspondence Study Gains

Minnesotans are showing a rapidly increasing interest in the hundred or more courses of study offered by correspondence, according to a report by Prof. W. C. Smiley, director of correspondence work. Registration in May and early June have been well above the number recorded in those months in 1922, he said. A number of new courses, many of them of a practical nature, have been added to the correspondence lists this year.

COLLEAGUE PRAISES MALONE'S HAMLET

The first volume of a three volume study in the "Literary History of Hamlet" has been produced by Prof. Kemp Malone of the department of English literature, University of Minnesota. Prof. Malone's first volume deals with the early tradition from which the Hamlet story and plot were taken by Shakespeare.

Prof. Frederick Klaeber, head of the department of philology at Minnesota, commenting on the book in "The Alumni Weekly," calls it "a very important and unusually stimulating piece of work."

"Mr. Malone in this study aims to lay bare the ultimate roots of the Hamlet tradition," Dr. Klaeber writes, "— an ambitious task which, obviously, requires a great deal of digging in old records of heroic legends found in Anglo-Saxon and ancient Scandinavian literature. Those interested in the knotty and many-sided problems involved are thus given a welcome opportunity to go again over the ground, we might well say a battle ground, on which scholars of many nations have met before."

"On the whole, Mr. Malone's argumentation, fortified by a mastery grasp of the difficult and bewildering material, is such as to inspire confidence in the course that has been pursued. His ingenious reconstruction of the primitive plot certainly calls for very careful consideration."

"It is safe to say that scholars will watch with keen interest the further prosecution of this study, tracing the development of the famous tradition in its subsequent literary stages."

DEDICATE LIBRARY TO STATE'S FUTURE

"May this building be the symbol and fountain head of education that includes a sound body, a trained mind, and recognition of the leadership of God," said Rev. Thomas E. Cullen, speaking at the recent dedication of the new library building at the University of Minnesota.

"In it will be housed the riches of learning and literature that man has assembled over a period of 30 centuries. Minnesota students should realize to the full the advantages to be derived from that collected scholarship and should appreciate the devoted work of those who have produced and preserved it."

President Emeritus William Watts Folwell, President Lotus D. Coffman, and Dean Guy Stanton Ford of the graduate school, spoke briefly. Dr. Folwell was introduced as the first librarian, a position which went with the presidency when he held the reins at Minnesota. He reminded those present that the library had at first but 1200 volumes, and told them that in the present library there is a shelf which was one of the first installed. He expressed a hope that this might be preserved for the new library.

"Although we are today dedicating a building that is fully adequate for the library needs of the present student body, and in which there has been made provision for future growth, no one can say that even this structure will always be adequate," President Coffman said. "So swiftly do changes come that one can not speak finally of the needs of the people in a great commonwealth. He pointed out that the regents had acted wisely in making the library the first of the newer buildings to be put up, inasmuch as a university without a library is no university at all."

Dean Ford and F. K. Walter, librarian, took charge of placing the records, contained in a copper box, inside the corner stone proper.

Students Seek News Jobs

Several students in the department of journalism are seeking summer work on Minnesota newspapers. These students have had some practical experience either on country newspapers or on city dailies. The demand for students who will be graduated from the university this year has been greater than the number of students available, according to R. R. Barlow, chairman of the department.

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EARLY HEALTH CARE CUTS HOSPITAL RATIO

In proportion as more students visit the health service dispensaries at the University of Minnesota, giving early attention to minor ailments, the number of students who have to spend time in the health service hospital decreases sharply, the annual report of Dr. H. S. Diehl, director of the service, shows.

Visits to the dispensary for information and early treatment increased between 1918 and 1922 from about 1.6 visits per student to more than 3.6 per student. In the same period the number of hospital patients per 1,000 visits at the dispensary decreased from 56 per 1,000 visits to 18 per 1,000 visits.

The marked decrease in hospital patients compared with visits to the dispensary has been brought about in two ways: first by the fact that students have been taught the value of early attention to colds and all ailments, which has increased dispensary visits, and second, because the habit of obtaining prompt treatment has forestalled in hundreds of cases, illnesses which would have been more severe had not early care been given to the students.

Dr. Diehl said in part in his report: "Infirmaries for students are maintained in close connection with the dispensaries. This is absolutely essential for the efficient administration of the Students' Health Service, for when a patient is seen in the dispensary who should go to bed, it is necessary that it be easy to put him there. Early hospitalization minimizes the danger of communicable diseases spreading throughout the university community and it frequently prevents the development of complications from relatively insignificant primary infections.

"In order that this may always be practised, there is a standing rule of the Health Service that any student with a temperature of 100 degrees or more shall be placed in the hospital, at least temporarily."

During the past college year 1,338 students received treatment in the Health Service hospitals of whom 633 boys and 228 girls were on the main campus; 162 boys and 54 girls on the Agricultural campus; 145 boys and 57 girls at Morris and 84 boys and 75 girls at Crookston.

PIRQUET TO ARRIVE FROM VIENNA OCT. 1

Dr. Clemens Pirquet of Vienna, probably the best known expert on children's diseases in the world, will reach the University of Minnesota about October 1 to assume his new duties as professor of pediatrics. In that capacity he will also play a leading part in planning and conducting the new Minnesota Hospital and Home for Crippled Children which has been made possible by the \$1,000,000 gift of William Henry Eustis, former mayor of Minneapolis.

Dr. Pirquet has been an international figure in medicine for 20 years. He has taught in the United States before, part of the time as a member of the faculty in the medical school of Johns Hopkins University, Baltimore, Md.

Since the war left Austria and Vienna in a condition of acute suffering, Dr. Pirquet has devoted the past several years to conducting special children's clinics in his home city of Vienna and has done a tremendous work toward the alleviation of suffering there. At Minnesota he will be one of the best known members of the medical school faculty.

PRESIDENT'S AID TAKES UP DUTIES

F. J. Kelly, new assistant to president Lotus D. Coffman at the University of Minnesota, began his duties as the university on Sept. 1. He formerly was dean of administration at the University of Kansas, Lawrence, Kan.

Dr. Kelly is spending the first few weeks of his residence in Minneapolis, prior to the opening of college, completing a report he has been making for the Commonwealth Fund which deals with the teaching load carried by college instructors. This investigation was made with a view to determining how justly the work is distributed among faculty members, whether teachers of one subject should carry less work than those who teach another, what the policies of various colleges are in this regard, and like matters.

About twenty representative educational institutions of varying size and in different parts of the United States were visited by Dr. Kelly during the summer, his expenses being paid by the Commonwealth Fund. He will read his report to the directors of that body at a meeting to be held in Chicago in October.

EDITORS' EFFORT MAKES HIT AT FAIR

More than 100 Minnesota editors registered at the booth conducted at the State Fair by the Minnesota Editorial Association, which this year ventured to show its wares at the fair, the first time, so far as is known, that such a display has been conducted at any fair by the state editors. Approximately 30,000 who attended the fair received copies of "The Minnesota Editor," published by a committee of Editorial Association members at the suggestion of the State Agricultural Society president, Curtis M. Johnson.

Practically every editor and member of the newspaper profession who visited the booth and read the paper voted that the Minnesota Editorial Association should plan now to conduct its display on a larger scale next year, and to begin planning for it at least as soon as committees can be appointed at the midwinter convention of the association.

Arrangement of the booth and publication of the paper were carried out by Frank A. Day as chairman, L. C. Hodgson, historian of the association, who is known to every newspaperman in the state, T. E. Steward, among whose duties at the University of Minnesota is the publication of the News Service in which this story appears, and Victor Portmann, who with his father publishes the Currie Independent. Herman Roe, publisher of the Northfield News, as a member of the State Fair Board helped make the undertaking possible, and W. P. Kirkwood of the University Farm contributed material.

On the booth walls were copies of practically every paper printed in the state outside the twin cities. Forms, mats, and plates for both rotary and flat bed presses were displayed, and the furniture included a roll top desk, battered and loaded with exchanges in true editorial style; also an old fashioned, small job press to add "atmosphere."

More than 2 score of Minnesota editors contributed special material to the paper, among them being such grand old men of newspaperdom as Granville S. Pease of Anoka and W. B. Mitchell of St. Cloud.

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EXTENSION STUDENTS GET NEW PRIVILEGE

Students in the General Extension Division of the University of Minnesota will be given the same privileges as daytime students this year in the matter of football tickets and admissions to other University athletic contests, R. R. Price, director, has announced. By arrangements with F. W. Luehring, director of athletics, Dr. Price has made it possible for extension students to purchase the season ticket books which admit to all athletic events at a price very much below that paid by those who buy tickets for individual games.

Dr. Price, who completed graduate work at Harvard last year and was awarded the degree of Doctor of Philosophy will continue this year the downtown offices which were established last year in Duluth, St. Paul, and Minneapolis for the convenience of extension students. Formerly twin city students had to go to the university campus to make inquiries, transact business or register in the extension division outside of class hours. The system of registering in class and paying a fee to the instructor has also been done away with, all fee payments having been transferred to the downtown offices.

Last year extension work in organized classes meeting regularly was conducted in seven cities with a total enrollment of 7,269. Collegiate classes in Minneapolis, St. Paul, Duluth, and Virginia drew enrollments of 3,443; business courses in Minneapolis, St. Paul, Duluth, Anoka, Thief River Falls, and Virginia had 2,203 students, while engineering classes in the twin cities and Duluth enrolled 1,033.

Organizations of extension division students patterned after those of daytime class members were begun successfully in three cities last winter and will be continued and enlarged this year, according to Dr. Price. The aim of these organizations is to encourage the same spirit of solidarity among extension class members as the students in daytime classes feel, also to lead to the formation of clubs for amateur work in dramatics and music, for social purposes, debating, oratory, or other activities like those that have grown up in all college groups. Officers of these groups were chosen last winter and meetings will be called soon after the 1923 classes begin.

Extension division classes will be started Monday night, September 24, two days before classes on the main campus start for the fall quarter.

FRESHMAN ADVISORY SYSTEM EXTENDED

Freshman boys and girls from Minnesota towns who enter the University of Minnesota this fall will have the benefit of a new advisory system arranged last year by which two special faculty members will be designated to give half of each day to the business of meeting students and discussing with them any problems, scholastic or personal, that may be brought up.

The new system is an extension of the advisory system now in effect, which has reached, for the most part, only matters relative to the curriculum and advice on the studies students might or might not take.

Prof. Oscar Burkhardt, a prominent member of the German faculty, and Miss Ella Thorpe of the department of mathematics have been assigned by Dean J. B. Johnstone of the college of liberal arts to give half time to the work of advice.

President L. D. Coffman, when he returned recently from his vacation, made the statement that to him the extended system of freshman advisory work seemed the most important step in administrative betterment the University of Minnesota will take this year. Established to the same end will be the orientation course for freshman students, to be started during the winter quarter, by which the freshmen will be taught their relationships in the world of nature and man. The object of this course is to give the young student a bird's eye view of the world and of his functions in the world as an individual.

Other advancing steps pointed to by Dr. Coffman include the engagement of Dr. Clemens Pirquet, the Viennese specialist in children's diseases as professor of pediatrics, the enlarged work in physical education, coupled with the new system of athletic administration which was launched so successfully last year, together with the needed enlargement of plant. The library, dairy building at University Farm, and the electrical engineering building on the main campus all are well under way. All three probably will be ready for occupancy a year from this fall. Each fills a pronounced need in University of Minnesota life as electrical engineering has been taught in an old and inadequate building, while the library has been so badly outgrown by student population that many have had to study at odd hours when books or reading room space were available. The new dairy building will be a model of its kind, built to provide for dairy instruction in classroom and laboratory for a generation to come.

Brown to Help in Extension

Dr. J. C. Brown, president of the St. Cloud Teachers' College, will teach a special course for teachers of arithmetic in the St. Paul public schools during the first semester of the Extension division work. Dr. R. R. Price, director of the General Extension Division, has announced. The course will be given in St. Paul as part of the Extension Division work. During the winter quarter of last year Dr. Brown taught a special course in the College of Education. Two other extension division appointments have been announced. Kurt Rosinger, formerly of the University of Michigan, will teach English, succeeding Benjamin McClure, and J. W. Miller will devote half time to instruction in accounting.

VETERANS BRIGHTEN FOOTBALL OUTLOOK

Football practice at the University of Minnesota began Monday, Sept. 17 with most of last year's veterans and a score or more who have advanced from the freshman team to the main squads reporting to Head Coach "Bill" Spaulding on Northrop Field.

Early practise will be light, Spaulding has ruled, as he is unwilling to take any chances of injuring his men until a series of practise sessions have set them up to stand the grind of hard playing.

Earl Martineau, for two years star of the Gopher gridiron warriors, will be captain as well as outstanding player on the team Minnesota will send against four conference and three non-conference opponents this fall. "Marty" has been in summer school and by constant care of himself is in condition to enter the season at the pink.

With him as veterans of the 1922 team will be Oliver Aas, last year's captain, Oster, Grose, Louis Gross, who developed so brilliantly as a tackle last year, Peterson, Merrill, MacDonald, Hultkrans, Eklund, and Schjoll, last year's first string ends, Gay, Cox, Rollitt, Abrahamson, Furst, Larkin, Sinclair, Myrum and Olson, all letter men or members of the first string in last season's squad.

Additions from last year's "frosh" squad will include "Pete" Guzy, the sensational little player who started at East high school, Lidberg, Swanbeck, both better than average players, the former a backfield man and the latter a lineman, Holmberg, Matchan, Ascher, Borquin, and Robertson, all of whom look good in the backfield; Morris and Gruenlagan at end, Mathews and Hagen at tackle, and Erickson and Hanke at guard.

All the available material will be needed for the stiff schedule that faces the 1923 Gophers, beginning Oct. 6 when Ames College journeys to Northrop Field. Both Ames and the Haskell Indians, scheduled for October 13, have strong teams, the Haskell eleven being said to rank this year with Carlisle Indian team of past years. The third non-conference game will come Oct. 20 against North Dakota, always a worthy Minnesota opponent.

Wisconsin will be played Oct. 27 at Madison, the first conference game of the year, also the Homecoming Day game at the University of Wisconsin. Spaulding undoubtedly will point his team for Wisconsin in an effort to wipe off the 14 to 0 defeat of 1922 on Northrop Field. Northwestern will come to Minneapolis on Nov. 3, followed by an open date November 10, a week before the Iowa game in Minneapolis, the big home game of the year. The Gophers will meet Fielding Yost's raring players at Ann Arbor Nov. 24 in the last game of the season.

Until registration has been finished there is no line on the material that will turn out for this year's freshman squad and team, which again will be coached by T. N. Metcalf. Metcalf coached Oberlin before coming to Minnesota a year ago. He had remarkable success with the Ohio college, a record which he duplicated in his handling of first year material at Minnesota last year.

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UNIVERSITY AIDS POLITICS INSTITUTE

Speakers of national repute will be brought to Minneapolis during the annual convention of the Minnesota League of Women Voters, Nov. 5 to 9, to discuss constitutional development, state government, municipal government, and American foreign policy at the Institute of Government and Politics which the league will conduct this year with the cooperation of the University of Minnesota.

The institute will be open to both men and women and it is the hope of the league that representatives of practically every community in the state will see fit to attend. The venture is modelled on institutes that have been conducted in connection with universities or colleges by the League of Women Voters in a number of other states.

Round table conferences will be conducted morning and afternoon in the Curtis hotel, Minneapolis, and on each of four evenings one of the prominent visiting speakers will be heard. The first to accept an invitation is Frank O. Lowden, former governor of Illinois. Municipal government will be discussed with special reference to charter reform, state government with special regard to reorganization of departments and to taxation.

Members of the joint committee of the League of Women Voters and the university which is arranging for the institute are: President L. D. Coffman, Dean Guy Stanton Ford, Prof. Morris B. Lambie, Prof. W. S. Anderson, Prof. H. J. Fletcher, and Dr. R. R. Price from the university; Miss Marguerite Wells, Mrs. Boyd Nixon, Mrs. W. J. Marley, Mrs. F. W. Wittich and Mrs. C. R. Noyes, all from the twin cities; Miss Florence Monahan, Shakopee and Mrs. James Paige, member of the house of representatives from Minneapolis.

DANISH SKATER GETS "U" COACHING JOB

Fmil Iverson, internationally known as a figure skater and athlete in winter sports, has been added to the physical education staff at the University of Minnesota as an instructor. Born in Denmark, Iverson is a graduate of the Royal Gymnastic Institute, Copenhagen. He represented Denmark as a member of its soccer team in the 1912 Olympic games.

At Minnesota Iverson will coach outdoor winter sports such as skating, skiing, snowshoeing, and figure skating. He also will be crosscountry coach. In addition he will be in charge of corrective medical gymnastics such as are prescribed for students with definite ailments that exercise can correct. He will be the chief adviser of the new Gopher Outing club which Mr. Luehring organized last winter.

The new coach has been in the United States off and on for eight years, much of the time in Chicago. There he was head instructor at the Chicago Arena, famous as a winter sports center, and also was an instructor at the Postl Institute. Later he was an instructor at the Lake Forest Winter club, just outside Chicago. He trained, among many others, the famous skater Mathiasen.

Iverson brings to his work a thorough understanding of the scientific background of sports as well as a knowledge of performance.

CONCENTRATED ORES NEW SOURCE OF IRON

Development of the plant at Babbitt, Minn., for the concentration of low grade iron ores into marketable ores by means of equipment invented by E. W. Davis, superintendent of the Mines Experiment Station at the University of Minnesota, has proceeded so successfully that 30 tons of ore a day are now being shipped to the Ford Motor Co. by the new concentrating concern.

This expansion of Minnesota industry is brought out by Prof. G. M. Schwartz of the department of Geology, University of Minnesota, in a paper recently published in the "Engineering and Mining Journal-Press."

The concentrated ore produced at Babbitt is in fact a new ore, never before used commercially. Prof. Schwartz points out. Iron bearing rock, he explains, is not ore unless it contains iron in a form which permits its extraction. The concentrating process, therefore, changes an iron-bearing rock into a new form of ore.

The Mesabi Iron Co., which operates the concentrating plant at Babbitt, has reached its present development after eight years of experiment. It is planned now to install duplicates of the present plant to an indefinite number, probably at an eventual cost running into the millions.

RAY ELLIOT JOINS "U" FOOTBALL COACHES

University of Minnesota's football coaching staff has been completed by the appointment of Ray F. Elliott, former Nebraska football star and for several years a member of Nebraska's coaching staff, who will be assistant coach under Bill Spaulding. Elliott has been in Minneapolis for several days conferring with Luehring and Spaulding. His specialty is work with the backfield men.

Elliott was a quarterback at Nebraska in his student days and had his training under Yost when Michigan's famous coach had charge of the Nebraska gridiron. According to Mr. Luehring, who formerly was director of athletics at Nebraska, Elliott is a man of fine football knowledge who has been of material help to Fred Dawson in lining up Nebraska's winning teams of the past two years.

The appointment is for the duration of the football season only. Elliott has been in business in Lincoln, but expects to move his family and business to Minneapolis. His outside profession is teaching salesmanship.

REGENTS APPROVE U. S. FOREST PLANT

Approval of the United States government's offer to establish the federal Lake States Forest Station at the University of Minnesota was given by the regents of the university at their first meeting of the year, Sept. 21. Headquarters of the station will be on the Agricultural Campus in connection with the forestry department of the college of agriculture. The federal station also will make extensive use of the university's forest experiment station at Cloquet. The station will do work in Minnesota, Michigan and Wisconsin looking to the preservation and replenishment of timber resources and the aid of industries dependent on forests. Dr. Raphael Zon was given the rank of professor by the university.

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"U" MAN PLANS HUGE RAILROAD TERMINAL

Lloyd R. Whitson, a graduate of the University of Minnesota school of mines, class of 1911, has promoted, planned, and is building, the tallest concrete building in the world, a railroad terminal in Dallas, Tex., according to word received by Prof. Frederic Bass of the college of engineering from G. A. Maney, professor of structural engineering at the university. Prof. Maney has been engaged as architect's overseer and has applied for a year's leave of absence.

The terminal is being erected jointly by Mr. Whitson, the Santa Fe railroad and local associates in Dallas. F. C. Dale, formerly of Minneapolis, is associated with Whitson.

The group of buildings is to cost \$5,000,000 and will include a 19-story office building a 10-story warehouse, two eight-story warehouses and a five-track underground railway system linked with the Santa Fe tracks. Office, storeroom and showroom space will be leased to industrial concerns in the terminal as is done at the Northwestern Terminal in Minneapolis and the MacDougall Terminal Warehouse Co in Duluth.

The framework of the principal unit in the group will contain 50,000 yards of concrete and 3,000 tons of reinforcing steel.

COLLEGE PASTOR TO TEACH RELIGION

Five courses of studies in Biblical subjects will be offered to University of Minnesota students this fall by pastors of churches in the university neighborhood which are attended by a considerable number of students. University credit will not be given for these classes, but they will be held in Folwell hall, a recitation building, each on a different day of the week.

Rev. W. P. Lemon of Andrew Presbyterian church will offer a course in Biblical literature; Rev. Phillips E. Osgood of St. Mark's church one on "Comparative Religions"; Rev. C. A. Wendell of Grace Lutheran church a course on "The Development of Modern Science and Its Effects on the Christian Faith"; Rev. Justin J. O'Brien, director of the Students' Catholic association, a course of lectures on "The Church and the World"; and Rev. V. V. Loper of the First Congregational church a course in Old Testament History.

The courses will be continued through three college quarters. Similar courses offered last year were well attended.

LAW STUDENTS FIND EARNING WAY EASY

The University of Minnesota law school has made it easy for the student who earns his own way to attend under a schedule of classes beginning at 8:30 a.m. and ending at 12:30 noon, leaving the entire afternoon open so that men who dislike night work can find daytime work to support themselves. According to Dean Everett E. Fraser this arrangement of classwork makes it easier for a man in the law school to support himself than for the student in any other college of the university.

In accordance with recommendations of the Association of American Law Schools, the university has also adopted the policy of encouraging men who must support themselves to take slightly less work and remain in college a little longer, handling all subjects thoroughly. "Standards recently announced by the Association of American Law Schools fixed the night school equivalent of a three years straight law course at five years," Dean Fraser said. "This was done in the belief that those who attend part-time schools should take a smaller amount of work and complete their courses more slowly."

Due to the University of Minnesota law school's compliance with the recommendations of the American Bar Association's committee on legal education, it is now the only Minnesota law school having the endorsement of the American Bar Association and the Minnesota State Bar Association. The committee on legal education, in a recent report, said:

"Approved law schools should require students to pursue a course of three years' duration if they devote substantially all of their working time to their studies, and a longer course, equivalent in the number of working hours, if they devote only part of their working time to their studies."

SOCIOLOGIST HELP STATE SOCIAL WORK

Members of the University of Minnesota faculty, including President L. D. Coffman, Dr. F. Stuart Chapin and Prof. Gustav Lindquist, took a prominent part in the sessions of the Minnesota State Conference of Social Work in Duluth Saturday, Sept. 22 to 25. On the opening day President Coffman presented a paper on "The strategic position occupied by education in the development of a social work program."

Prof. Chapin, who is secretary-treasurer of the conference, spoke Monday on "Educational and religious responsibility for delinquency and their contributions to future plans for the prevention of delinquency." "The social effect of forced marriage upon the family" was the subject of a paper by Mrs. M. D. Mudgett, of the department of sociology. Prof. Lindquist discussed problems of rural sociology, which is his specialty. W. W. Hodson, head of child welfare work for the state, who also is a lecturer on sociology at the University of Minnesota, Frank J. Bruno, also a special lecturer, and Prof. F. W. Peck, director of agricultural extension, were others to represent the University at the Duluth meetings.

NURSES GRADUATION TO MARK NEW ERA

A special occasion is to be made of the graduating exercises of the school of nursing at the University of Minnesota Sept. 29, when the last class that entered prior to the expansion of the school will be given their certificates. Three years ago the school was enlarged to care for the training courses of the Minneapolis General, Miller, and Northern Pacific hospitals as well as for the University Hospital student nurses.

An appeal to all of the 150 alumnae of the school who can be reached has been sent out, asking them to return for the graduation. Miss Mary Gladwin, inspector of nursing school under the Minnesota Board of Nurse Examiners, will be the commencement speaker.

The school of nursing now has an attendance of 145 regular students and 74 affiliating students who come from other schools for some of their work, according to Miss Louise M. Powell, director. Among the students are 48 who are taking a five years' course to obtain both a college degree and the nursing diploma. Miss Powell expects this fall's entering class to number 80. The course is one of three full years, which brings the graduation in September rather than in June.

The University of Minnesota's school of nursing was the first university school of its kind. Now there are 13 in the United States. The French republic recently sent a representative to Minneapolis to study methods of the school of nursing, preparatory to the establishment of a school in Paris, modelled on American lines.

EXTENSION ON RANGE CENTERS IN VIRGINIA

Because of excellent transportation service on the iron range, evening classes conducted by the University of Minnesota in the north, other than those in Duluth, will be concentrated in Virginia this year and students from nearby towns can attend them there according to Dr. R. R. Price, director.

Courses to be offered in Virginia, beginning this week, include Spanish, French, American history, English literature, rhetoric, interpretative reading, public speaking, business English, general psychology and educational psychology.

A group of 47 courses is being offered at Duluth, under the supervision of John S. Shadbolt, resident representative of the extension division. Among those who will teach on the range and in Duluth will be three faculty members from the main campus who will make the trip each week to conduct classes in those places.

Evening courses on the main campus and in school and office buildings in Minneapolis and St. Paul are being increased in number this fall and an increasing number of instructors who give their full time to extension classes is being employed. One of the new courses to be offered will teach preventive medicine to nurses who plan to work for the university certificate entitling them to become public health nurses.

An elaborated program of correspondence courses also will be offered this year by that division of the extension service, directed by Prof. W. C. Smiley. During the year 1922-23 a total registration of about 2,000 was attained in the courses taught by mail. All correspondence instructors are regular members of the faculty who correct the papers with the same care they give those turned in by students in regular courses.

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PRESIDENT DECRIES GRIND AND BUTTERFLY

Neither students nor faculty members at a university can prosper and make progress by attention to books alone, nor by too much attention, either, to activities that are outside the classroom and laboratories. President L. D. Coffman declared at the first All-University gathering of the college year.

"The student who clings to his books alone and profits by none of the lessons of human association is a grind and unfitted for most of the problems of the world outside the university," President Coffman said. "The student who devotes himself to the activities of the university outside, to the neglect of the classroom, the laboratory, and the library, will not only fail in his essential work here, but he will have no companionships in the field of learning later on.

"The faculty representative who exalts scholarship and scores play, who exalts study and shuns conversation, who exalts bookishness and derides recreation, has a mind out of focus. The life of a university is not all found in the classroom; some of it is found on the athletic field, in the dramatic organizations, in the debating contests, in the work of the university publications, and in the social gatherings. All these must be kept in their places. Each makes its contribution to the life and spirit of the university community. The contribution which each makes will be enhanced as we think of it in terms of the part it should play in making and in preserving the spirit of the university."

He called on the students to make this the best year Minnesota ever had. "Our search for knowledge will be a little more diligent than before," said the president, "our teaching a little more sympathetic and interesting than before, our administration a little more tolerant than before, our scholarship as students a little better than before, and our extra-classroom and laboratory life in all its phases and activities a little less absorbing than before."

Y. M. C. A. CONFERENCE DRAWS U. LEADERS

Sixty-three students from nine colleges attended the annual Edgewood conference conducted by the University Y.M.C.A. at Lake Minnetonka the Sunday before college opened. That thirty-seven student organizations, seventeen fraternities, members of the football, track, baseball, and basketball teams should have attended gives an idea of the extent to which interest in religious matters and clean living has permeated the student body at the University of Minnesota, according to C. P. Barnum, secretary.

President L. D. Coffman, E. B. Pierce, alumni secretary, F. W. Luehring, director of athletics, and William H. Spaulding, head football coach, were among those who attended and spoke.

Colleges represented at the conference, which is held each year at the beginning of the fall quarter, were: Science, Literature, and the Arts, Engineering, Agriculture, Medicine, Law, Education, Dentistry, Business, and Chemistry.

FRESHMAN PLAYERS GET FOOTBALL TOGS

All parts of the state have contributed material to the freshman football squad now in action at the University of Minnesota under the direction of T. N. Metcalf, freshman coach, and his assistants. This year's freshman squad numbers 140 and is the largest in the history of Minnesota football. Among the prominent freshman players who are now working are the following:

Rafferty, WABASHA; Krelwitz, AITKIN; Holzheid, WHITE BEAR; Fox, PINE RIVER; Williams, BLUE EARTH; Mathews, BLUE EARTH; Jones, DULUTH; Mayer, ALEXANDRIA; Norton, FARGO; Hiland, BRECKENRIDGE; Rost, ST. PETER; Shannon, BLUE EARTH; Cam, WORTHINGTON; Butler, RED WING; Shadbot, THREE FORKS; Hazzard, PAINESVILLE; Trytten, ALBERT LEA; Mulvey, STILLWATER; Casey, JORDAN; Henrickson, MADISON; Sirline, MORA; Sallstrom, RED WING; Spain, HACKENSACK.

Blaine McCusick, coach of wrestling, and Harold Taylor, who last year was coach of athletics at Aurora high school, are assisting Metcalf with his large freshman aggregation.

GRADUATE NURSES RECEIVE DIPLOMAS

Eleven nurses who have completed either the three years special course in nursing or the five years combined arts and nursing course at the University of Minnesota were graduated last week by the School of Nursing that is run in connection with the Medical School at the University. The eleven who received diplomas were: Helen Clark, ST. CLOUD; Elna Harrison, MINNEAPOLIS; Agnes Pauline, KALISPELL, MONT.; Dorothy Frost, ASHLAND, WIS.; Mary Obermiller, MAHNOMEN; Alice Prestige, ROBBINSDALE; Alice Forbes, BISBEE, N. D.; Eva Matson, ST. CLOUD; Laura Black, GRAND FORKS; Luella Holmes, MORRISTOWN; Adella Egdestine, FERGUS FALLS.

Registrations in the school of nursing at the opening of the fall quarter this year numbered 234, by far the largest number in the history of that school.

In addition to resident instruction in nursing, the extension division of the University is now offering courses which will make it possible for graduate nurses, not otherwise qualified, to become public health nurses. Dr. H. S. Diehl, director of the student health service, is offering a course in the technical phases of the work and many of the other subjects can be found in the regular extension curriculum.

Regents Are Guests of Dr. Mayo

Members of the board of regents will go on their annual outing aboard Dr. W. J. Mayo's Mississippi river launch on Oct. 15. The regents and their wives, Dr. and Mrs. Coffman and Mr. and Mrs. A. J. Lobb annually are invited by Regent Mayo to spend a day or two cruising on the Mississippi. It is customary for the regents to dispose of a small docket of business during these trips.

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SEEK TO IMPROVE CUYUNA ORE VALUES

Scientists at the Mines Experiment Station, University of Minnesota, are at work on a new and as yet secret method for improving the commercial value of iron ores found on the Cuyuna range.

In addition to some high grade ore found in the Cuyuna district there are large deposits of low grade ore there, according to E. W. Davis, superintendent, some of which is decreased in commercial value by the presence of too much water and some by the presence of too large a percentage of silica.

Ores containing too much water are now treated in two practical methods, the first of which is baking to drive off surplus water, and the second is a washing process. Neither of these is perfectly satisfactory because the baking reduces much ore to fine dust, which must be thrown away, and washing processes wash away a good deal of ore which would otherwise be valuable.

The interesting fact that washing an ore can reduce its water content is true because so much of the Cuyuna ore is embedded in clay, the latter having a high water content. When the clay is washed away from the ore, the remaining ores though very wet, actually contain less water than they did before the clay had been separated, Mr. Davis explains.

The third process, on which experiments are going forward now, will not be considered commercially practicable until a company has actually put it into operation and proved its worth, experiment station officials say. An effort to bring about its adoption will be made if trials show it sufficiently good to warrant the expenditure.

R.O.T.C. Enrollment Is 2059

Enrollment in reserve officer training courses at the University of Minnesota is 128 larger this year than it was last according to announcement of Col. Girard Sturtevant, commandant. The registration of freshmen in the basic course now stands at 1242, together with 617 sophomores. In the advanced years there is a registration of 100 for each the third and fourth, making the total enrollment 2059. There also are 157 men enrolled in the junior unit at the Central School of Agriculture.

"U" SUPPLIES DEAN TO COLORADO "DENTS"

Prof. Forrest H. Orton, a member of the faculty in the College of Dentistry, University of Minnesota, has left to become dean and head of the College of Dentistry at the University of Colorado. The high standing of the Minnesota College of Dentistry among American dental colleges has led several other institutions of its sort to look there for leading faculty members when changes were to be made.

Two other faculty members at Minnesota, offered important positions elsewhere, have turned them down. Dr. J. Anna Norris, head of the department of physical education for women, was offered the corresponding position at Oberlin College, which is recognized as having one of the best departments of that nature in the United States. Prof. C. R. Stauffer, in geology, was offered direction of the department of geology at the University of Arizona, a position offering fascinating opportunities for research.

Both will continue as members of the University of Minnesota faculty it was announced at the recent meeting of the board of regents.

JOURNALISM STUDY GROWS AT UNIVERSITY

With 115 students registered in its courses, the department of journalism at the University of Minnesota has the largest enrollment in its history and for the first time has drawn more than 100 students according to R. R. Barlow, who has charge.

In addition to journalism courses on the campus there are extension courses offered by the faculty members, both in Minneapolis and in St. Paul.

Courses offered throughout the entire year are one in news writing and one in the writing of special articles. Shorter courses include editing, history of journalism, editorial writing, and newspaper problems. More than 70 students have entered the beginning course, that in news writing, which is offered by Mr. Barlow.

BIG FALL BASEBALL SQUAD TURNS OUT

The largest fall squad that ever turned out at Minnesota began practicing baseball last week under L. R. Watrous, baseball coach, in an effort to beat out the late Minnesota spring which clips two valuable weeks off the other end of the practise season each year. Major Watrous has reported to F. W. Luehring, director of athletics, the discovery of a number of new players who will be contenders for team positions when the game comes into its own next spring.

Meanwhile Emil Iverson, new cross-country coach, has a dozen candidates for his team hard at work in anticipation of forthcoming contests, cross-country running being the only inter-collegiate sport that holds sway during the same season as football.

President Coffman was the principal speaker on Oct. 12 at the meeting of the Northwestern Wisconsin Teachers Association conducted at Oshkosh, Wis.

EARLY ENROLLMENT SHOWS GAIN OF 396

Another increase in the number of young Minnesotans seeking education at the University of Minnesota was recorded when registration figures were compiled by R. M. West, registrar, at the close of the first week of the year.

Registrations in the collegiate classes totalled exactly 8300, an increase over the corresponding period last year of 396. Collegiate students at the university come within 23 of numbering 1,000 more than they did when the fall quarter began two years ago, making the average increase 488.5 students for two years.

Two of the colleges in the university, the College of Engineering and Architecture and the College of Education, passed the 1,000 mark in enrollment for the first time with 1,044 enrolled as architects or engineers and 1,020 registered in the college of education.

College authorities point out that both of these schools give training of a decidedly practical nature—one in technical engineering and the other in the correct methods of teaching. Each year the college of education is contributing hundreds of teachers to Minnesota's high schools, together with supervisors, principals and superintendents to the graded and primary public schools of the state.

Small decreases in enrollment were shown by the College of Dentistry and the College of Agriculture. Registration is still incomplete in the graduate school.

Taking into consideration early registrations in the extension and correspondence study divisions, short courses, and the University High School, registration at the end of the first week totalled 10,198. This is without the students, numbering about 2,000, who will register in the three Schools of Agriculture at University Farm, Crookston and Morris.

DEAN MAKES STUDY OF COLLEGE METHODS

A comprehensive study of the courses, methods of study and activities outside of classrooms carried on in typical American arts colleges was made during the past summer by F. J. Kelly, new dean of administration at the University of Minnesota, the work being carried on under the auspices of the Commonwealth Fund.

This report was one of three on phases of present day educational tendencies which the Commonwealth Fund financed during the year and on which reports to its educational research committee were made at Chicago last week. Dean Kelly's report is expected to attract wide interest among educators when it finally is made public.

Hundreds of students and faculty members in nearly a score of institutions were questioned by the Dean in the course of his study. From their statements and from material made available to him by administrators he compiled a report which discussed current practices and tendencies, and gave his own critical interpretation of the facts he had learned.

The University of Minnesota News Service

Official News Reports of The State University to the Press of the State of Minnesota

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OCT. 24, 1923

MOST "U" COLLEGES CONTINUE TO GROW

Collegiate registration at the University of Minnesota reached 8,725 at the end of the third week of college, according to a report made to President L. D. Coffman yesterday from the office of R. M. West, registrar. The principal increase since the first registration announcement of 8,300 has been in the graduate school, where 440 now are registered as compared with less than 100 at the end of the first week.

Outstanding increases are in the college of science, literature, and the arts, college of education, and the school of business. There were small decreases in registration in the school of mines and the college of agriculture. The law school increased over last year after having lost in enrollment the year before. The college of dentistry, which was smaller at the end of the first week than it had been the year before, now shows an increased enrollment. The college of education and the medical school each gained 10 per cent in enrollment; the school of business, more than 10 per cent.

Comparison of Registrations

The following table shows total registration on Oct. 13 in the first column and in the second, registration on Oct. 14 a year ago—

College	Oct. 13, 1923	Oct. 14, 1922
War Specials	134	181
Science, Literature, and Arts	3469	3122
Engineering and Architecture	1015	979
Agriculture, Forestry, and Home Economics	700	745
Law	272	263
Medicine	482	440
Nursing	235	179
Dentistry	392	390
Dental Hygienists	34	31
Mines	95	131
Chemistry	122	123
Pharmacy	139	130
Education	1097	952
Business	227	208
Graduate	440	499
Total	8843	8573
Duplicates	118	161
Net total	8725	8410

Other Figures Incomplete

The figures are not yet complete for the extension division, including correspondence courses, nor for the departments of lower than collegiate rank, such as the Central, Northwest and North Central schools of agriculture. Registration in the last three normal runs above 2,000, while in the course of a year the correspondence division enrolls about 2,000 and the general extension division has between 5,000 and 7,000 enrollments in its two semesters.

Complete announcement of registration in the other branches probably will be made by Mr. West in about 10 days.

Will Tell of "U" Over Radio

Minnesota radio listeners will have a chance during coming months to hear what the various colleges and departments of the University are doing as told by the individuals who are at the helm in the different fields. Through its assistant program director, Earle R. Buell, "W.L.A.G." has invited a score or so of the deans, department heads, and prominent faculty members to broadcast fifteen minute addresses. A number of the athletic department members will be asked to speak during the 6 p.m. sports hour.

N. P. TRACKS TO BE GONE BY DECEMBER 1

Removal of the Northern Pacific railroad tracks from the campus of the University of Minnesota will be completed by Dec. 1, the date fixed in the contract, according to university engineers who recently inspected the progress of the work. The Northern Pacific's new bridge across the Mississippi river near the university heating plant has been completed except for laying the rails and the two underpass bridges beneath Minneapolis streets are nearly finished. The N. P. tracks now parallel those of the Great Northern railway, running past the campus on its north rather than cutting through its center.

Removal of the tracks completes a project of which F. B. Snyder and other regents have dreamed for a decade. The tracks in their old location were laid before extension of the campus beyond them became necessary. Continuous switching of freight trains and the roar of through trains had become a disturbance in many university buildings that greatly reduced the effectiveness of the classes and lectures.

Space left by the track removal is being utilized already by the library, which stands close beside them, and other new buildings, among them the projected Northrop Memorial Auditorium, will go up on sites that would have been out of the question had the Northern Pacific right of way not been shifted.

PRESIDENT AIDS RESEARCH GROUP

The president of the University of Minnesota will play a prominent part this year in deciding upon the studies into educational methods and accomplishments which are financed annually by the Commonwealth Fund of New York. As a member of that organization's committee on Educational Research, Dr. Coffman is attending this week the meeting at White Plains, N. J., at which studies to be supported this year will be selected.

The committee also is passing on reports received from studies made during the past year, among them that by F. J. Kelly, dean of administration at the University of Minnesota, who reported on his study into the "Aims, Organization and Administration of Liberal Arts Colleges in the United States."

On his way to White Plains, President Coffman stopped at Urbana, Ill., to deliver the opening address before one of the divisional meetings of the Illinois State Teachers association.

To Combat Plague In China

Marshall Hertig, an instructor in animal biology at the University of Minnesota, will leave about Dec. 1 to join a party under the direction of the China Medical Board which will spend a year studying the Kala Azar or Dumi-Dum fever of northern China, a disease which has reached plague proportions in recent years. Kala Azar is an insect borne disease like typhus and spotted fever. Special work done by Dr. Hertig under Dr. W. A. Riley of the department of entomology was thought by the committee of selection to have fitted him exactly for the work with the mission to China.

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Address all communications to
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University of Minnesota, Minneapolis, Minn.

"ON TO WISCONSIN" THE CRY OF OVER 1,000

More than 1,000 students and graduates of the University of Minnesota made the trip from Minneapolis to Madison, Wis., for the Minnesota-Wisconsin football game on Saturday, Oct. 27, leaving Friday on a special train. Expenses of the University Band, which made the trip, were met by a dime collection at the football games with the Haskell Indians and the University of North Dakota on the preceding Saturdays.

The Minnesota game was on the University of Wisconsin's homecoming day and thousands of Madison alumni were on hand to see the 1923 event in the traditional yearly conflict between Badger and Gopher.

Minnesota's Homecoming day will be celebrated on Nov. 17, when the Iowa football team meets Minnesota on Northrop Field in one of the two Western Conference games that will be played this year in Minneapolis. The other will be that with Northwestern University on Nov. 3.

SPORT HEAD BOOSTS CROSS-COUNTRY GAME

In line with his plan to promote all sports and encourage interest in them, F. W. Luehring, Minnesota director of athletics, is paying special attention to the work of the cross-country team this fall. Being the only inter-collegiate sport that is followed during the autumn football season, cross-country running has been in danger of being overlooked. This fall, however, with a new coach, Emil Iverson, and a strong squad of experienced men under Captain A. C. Jacobson, the Minnesota runners promise to rate high in conference competition. The first conference match will be on Saturday against Wisconsin at Madison. On the following Saturday the team will rest, then it will meet Iowa runners at Minneapolis on the day of the Iowa football game. Minnesota also will send a team to the all-conference meet at Columbus, Ohio, Nov. 24.

Graduate Appointed In Philippines

Manuel Carreon, a graduate student who took his Doctor's Degree at Minnesota last June, majoring in Administration of Education, has received a position for this year in the Philippine Normal School. His work will be teaching and research work.

FORESTRY NEEDS BIG, U. S. SERVICE SAYS

Importance of the Lake States Forest Experiment station, recently located at the University of Minnesota by the United States government, was emphasized in a recent statement issued in Washington by the United States forest service, which said in part:

"The forest problems in the Lake states are exceedingly great, and it is expected that the forest experiment station will aid the progress of forestry as much as the agricultural experiment stations have aided the progress of agriculture. Few farmers would expect to make a profit from wheat, corn, hay, or orchards if they gave no care or attention to the growing crops. Certainly the farmers do not attempt to raise crops merely by harvesting what nature provides in the way of volunteer growth without any preparation of the soil, without fertilizer, with no selection of varieties, with no cultivation or weeding, no protection against fires, insects or disease. Yet this is the way we have so far treated our forest lands and the conditions in Minnesota, Wisconsin, and Michigan show it at the present time.

"One of the primary objects of the Lake States Forest Experiment station will be to develop ways and means of making the cutover and non-agricultural lands once again productive. The station will gather basic facts about forest renewal, and forest growth, so that it will be possible for the region to maintain the various lumber and paper industries on a permanent and sustained basis."

STUDENTS PROPOSE LITERARY MAGAZINE

An assertion that students at the University of Minnesota possess better taste and higher literary ability than they have been given credit for in the past accompanied a recent statement by Prof. Martin B. Ruud of the department of English literature announcing plans to publish a new student magazine.

Probably to be known as the "Minnesota Quarterly," the new magazine will endeavor to present a varied selection of writings representative of all departments whose work touches on the liberal arts. Prof. Ruud and members of the committee with whom he is working, which includes Prof. J. M. Thomas, chairman of the English department, hope to make the magazine as widely known as is the Minnesota Law Review. The latter is known and quoted throughout the English-speaking world.

Material printed in the magazine will be confined to student contributions. These will be selected under guidance by the faculty committee.

Dr. A. V. Storm, professor of agricultural education, who has been ill at Rochester, is reported better in messages received by President Coffman. Dr. Storm gave up his vacation to direct the summer session, with the result that he broke down last month and has been forced to enter a hospital.

ALUMNI GET RATE FOR "HOMECOMING"

Minnesota alumni who wish to attend the annual Homecoming at the University of Minnesota will be granted a fare and a third round trip rate under the certificate plan, E. B. Pierce, alumni secretary, has announced. The rate will be effective from points in Minnesota and adjacent states, provided 250 certificates are validated by returning graduates.

An especial effort to show the "old grads" a good time when they come in to Minneapolis on Nov. 17, the day of the Minnesota-Iowa football game, will be made this year, according to Mr. Pierce and Don Neuman, student chairman of the Homecoming committee. Homecoming Day is the occasion when the student body devotes itself to the business of entertaining alumni and demonstrating that Minnesota standards are being upheld.

Academic alumni will hold a reception and serve dinner in the Minnesota Union on the preceding evening, Friday, Oct. 16, both of which will also be open to graduates of other colleges. Following the dinner there will be dancing in the Union and a pepfest and rally in the Armory by way of preparation for the Iowa game.

Decorations of university buildings and fraternity and sorority houses in the annual competition for the most attractive trappings will be carried out for Homecoming. Following the Iowa game, open house will be maintained by student and faculty committees in the Minnesota Union and in Shevlin hall.

On Homecoming day last year Minnesota lost to Wisconsin by a 14 to 0 score. Headcoach Spaulding and his team are at work with hope of passing the Badger smash on to the Iowa team to avenge both the 1922 Homecoming and the defeat last fall in Iowa City.

ALUMNI WEEKLY PLANS BIG YEAR

Emphasizing its three-fold purpose of mirroring university life, keeping alumni in touch with each other, and describing the University of Minnesota to the people of the state, the Minnesota Alumni Weekly, official publication of the General Alumni association, has enlarged the number of its departments and added to its staff.

"The Picture Frame," a new department devoted to informal comment on campus events, is conducted by Horace Simerinan, who also contributes a column of book reviews each week. The "Family Mail" column has been enlarged, and a page of humor from Ski-U-Mah, Minnesota's undergraduate magazine, has been added. An exchange department, "What Other Colleges Are Doing," is another innovation which will be a regular feature this year. Two pages will be devoted to special news.

A series of 21 articles by Walter Pardee, member of the class of '77, in which reminiscences of early university life are alternated with discussions of present day education, will be one of the most interesting features of this year's Weekly, according to Leland F. Petersen, managing editor.

The contributions of the University of Minnesota to scientific research will be given particular attention this year, and in addition to the research number which was published Oct. 17, the work of each department will be described separately in forthcoming issues.

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FINANCE REPORT ISSUED FOR YEAR

The University of Minnesota received a slightly smaller percentage of its total income from the state of Minnesota in the year July 1, 1922, to June 30, 1923, than it had in the preceding year, according to the annual report of the comptroller, Albert J. Lobb, which is about to be published. Total receipts for the year were \$7,109,971.88, of which the state provided \$4,180,867.76 or 58.8 per cent. In the year 1921-22 the state had supplied 59.4 per cent of the institution's income.

Of the total receipts from the state, the annual appropriation for buildings, passed by the 1919 legislature to continue 10 years, accounted for \$2,335,558.94, while the special appropriations granted to the university for each of the past two years supplied \$172,000 more. Receipts from the mill tax of 23/100 amounted to \$470,308.82, while the regular maintenance appropriation yielded the remaining \$3,000,000.

University disbursements during 1922-23 amounted to \$6,774,178.61, the difference between receipts and disbursements being accounted for chiefly by liabilities for unfilled orders for supplies and equipment, allotments for buildings in process of construction and deposits of students against laboratory equipment, held until the end of the year to be refunded.

Trust Fund Totals Given

The report shows the actual value of the various trust funds owned by the University of Minnesota to be devoted to various educational projects, the income from a majority of them going as loans to deserving students who need assistance. Principal among them is the Mayo Foundation of \$2,069,676.94, the second largest being the \$250,000 fund for the George Chase Christian Memorial Cancer Hospital, to be devoted to treatment of and research in cancer.

Other trust funds aggregating \$410,223.99 include the Gilfillan Trust Fund of \$111,252.15; Ludden Trust Loan Fund, \$19,242.92; Ludden Real Estate Loan Fund, \$79,358; Ludden Estate Loan Fund, \$15,430.98; Shevlin Fellowship Fund, \$40,087.50; Dorr Fund, \$64,027.10; John A. Johnson Memorial Fund, \$19,406.78; Howard W. Baker Fund, \$25,053.52; Edward M. and Effie R. Johnson Fund, \$16,636.81, and the Elliot Trust Fund, \$9,469.59.

Although nearly one-half of the million dollar gift pledged by William Henry Eustis of Minneapolis for construction and support of the Minnesota Hospital and Home for Crippled Children has been turned over to the University, the figure is not included in the report as the securities were turned over after the new fiscal year began.

State Gives 58.8 Per Cent of All

A comparative apportionment of the university dollar, both as regards income and disbursements, shows that the income, in addition to the 58.8 per cent received from the state, is derived as follows: Student fees, 13.1 per cent; land grant income, 2.1 per cent; federal appropriations, 3.5 per cent; sales, 5 per cent; service enterprises, 10.8 per cent; trust funds, 1.1 per cent; Mayo Foundation, 1.9 per cent; sale of certificates of indebtedness in connection with track removal, 2.7 per cent; payment by Northern Pacific in connection with track removal, 1.1 per cent.

Salaries and wages take 54.6 per cent of the outlay, supplies and expenses take 23.3 per cent, and capital outlay last year took 22.1 per cent.

The report shows that receipts from enrollments in the natural resources of

GOPHERS IN BATTLE FOR FOOTBALL CROWN

The University of Minnesota football team will go back into its time-honored position as one of the leading teams of the west and a contender for the Western conference championship if it defeats the strong eleven which Iowa will send to Northrop Field for the Homecoming day game, Nov. 17.

Consistent performances throughout the present season, including the sensational tie game with Wisconsin, which many wisecracks have picked to trounce the Gophers, have re-awakened the old-time confidence in Minnesota players and supporters. Those who follow the sport most closely maintain that the slump which has been going on most of the time since 1917 is definitely at an end.

Development of a coaching staff headed by Bill Spaulding and including such skilled masters of gridiron strategy as Len Frank, George Hauser, T. N. Metcalf, Blaine McCusick, and Ray Elliott has had much to do with Minnesota's improved showing, but the students give full credit to the players themselves. The spirit and perseverance of this year's squad has been hard to beat, all the way down from Captain Earl Martineau and his fellow lights to the last man on the reserves and scrubs.

What Minnesota football needs, and what it is sure to get sooner or later if its present trend keeps up, is the kind of enthusiastic interest that was shown in every Minnesota city, town and village in the old days when Minnesota fought Michigan to a 6 to 6 tie. On that day, practically every telegraph office in the state was crowded with fans, listening intently to returns from the battle. It was the state's contest, not that of the university only.

That is the kind of spirit which will produce not only great football teams but college graduates who go out with a deep sense of loyalty to their state and an appreciation of the public effort that has made their education and advancement possible.

Open Rate Set for Homecoming.

Minnesota alumni who wish to attend Homecoming at the University of Minnesota on Nov. 17 will have the benefit of an open rate of fare and a third for the round trip rather than the more limited rate on the certificate plan. E. B. Pierce, alumni secretary, has been informed by E. E. McLeod, head of the Western Passenger Association. The rate will be effective throughout Minnesota and much of Northern Iowa. Tickets are good from Friday morning, Nov. 16, on trains reaching Minneapolis or St. Paul up to 1 p. m. Saturday, November 17. Return tickets will be good through Monday, Nov. 19.

the state are rather small, contrary to a widespread belief. In 1922-23 they were but \$151,160.73, of which \$65,539.50 came from swamp land interest, and \$85,621.23 from invested funds derived from the land grant. Together these made up but 2.8 per cent of the University of Minnesota's income.

Service enterprises, which are shown to provide 10.8 per cent of the income, are such things as cafeterias, dormitories, students' health service, and the like, operated at cost for the students, for which the outgo is always approximately equal to the income.

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HEREDITY LECTURES SCHEDULED AT "U"

The University of Minnesota is one of a group of institutions of higher learning at which an important series of lectures on heredity, summarizing the most advanced knowledge on that subject, will be delivered during the coming winter. Cuy Stanton Ford, dean of the graduate school, has announced. Dr. L. B. Wilson of the Mayo Foundation has been a leader in arranging for the series, which will be delivered at Wisconsin, Nebraska, Washington University, St. Louis, and at the Mayo Clinic, Rochester, as well as at the University of Minnesota.

The lectures at Minnesota began on Wednesday, Oct. 31, with an address on "Heredity—the general problem and historical setting," by Prof. W. E. Castle, Harvard University. Others will be given as follows: Nov. 7, "The inheritance of acquired characteristics," by Prof. J. H. Dettelson, Wistar Institute, Philadelphia; Nov. 26, "Heredity in Relation to Cancer," by Miss Maud Stueve, University of Chicago; Dec. 5, "Human cancer from the standpoint of heredity," by Prof. Gideon Wells, University of Chicago.

Two other lectures, to be given early next year on dates not yet fixed will be "The inheritance of sex," by Prof. C. E. McClung, University of Pennsylvania, and "Eugenics," by Prof. M. F. Guver, University of Wisconsin.

The same lecturers will appear at each of the five places. At Minnesota, the series is being supported by the graduate school, Dean Ford announced.

PIRQUET DEPARTS; MEDICS LOOK AHEAD

Despite the brief flurry of excitement caused by the resignation and departure of Dr. Clemens Pirquet, the Viennese specialist on whom the University of Minnesota has depended to develop and supervise the Hospital and Home for Crippled Children, made possible by W. H. Eustis's pledge of more than \$1,000,000, the staff of the Medical School will continue with all plans for development of the hospital and school without interruption.

"We shall carry on as usual," said Dean E. P. Lyon regarding Dr. Pirquet's departure. "We shall build as fast as we may the Todd Cancer, and Eustis hospitals, assured to us by the magnificent gifts of philanthropic citizens. We shall obtain the best men we can to work in them—men who will be an honor to the great profession of medicine, who will

"U" ENROLLMENT 19,541 STUDENTS IN '22 '23

Total enrollment at the University of Minnesota last year in all branches, collegiate and sub-collegiate amounted to 19,541, that being the total number of students who registered from the beginning to the end of the year 1922-23, according to figures recently compiled.

Of the whole number 11,810 were collegiate students; 1,712 were in the University High school and the School of Agriculture; 448 took short courses, and 5,944 were enrolled in courses offered by the extension division.

By colleges the entire registration last year was as follows: Science, Literature, and the Arts, 3,905; engineering and architecture, 1,071; Agriculture, Forestry, and Home Economics, 885; law, 267; medicine (including 100 who were internes in hospitals), 487; nurses, 244; medical technicians, 5; dentistry, 394; dental nurses, 33; mines, 136; pharmacy, 143; chemistry, 138; education, 1,243; business, 249; graduate students, 905; war specials, 230; summer session, 3,218; total, 13,553; less duplicates of 1,743, 11,810.

Sub-collegiate registrations were: Central School of Agriculture, 1,028; Crookston, 190; Morris, 269; University High school, 225; total, 1,712. The following numbers enrolled in short courses: Dairy school, 81; Boy Scout course, 16, junior short course at Crookston, 108; farm women's short course at Morris, 44; boys' and girls' short course at Morris, 122; short course in horticulture, 35; beekeepers' course, 22; cereal chemists' short course 24; total, 448.

Total registration in the extension division classes reached 6,024, from which figure 80 duplicates are subtracted to give the net of 5,944.

Rhodes Candidates Nominated

Five students in the University of Minnesota have been nominated as satisfactory candidates for the honor of representing the state as the next appointee to a Rhodes Scholarship, entitling the recipient to three years of study in Oxford University, England.

The appointees are: Lester B. Orfield, Robert Kingsley, and William W. Lundell, all of Minneapolis, and Neal Morton and Sherman L. Anderson of St. Paul.

After nominations have been made by other Minnesota colleges the committee on selection, headed by W. B. Millen of St. Paul will choose the man who will go to Oxford in September, 1924.

help to care for the sick and unfortunate of our state and train competent doctors for our state and country.

"We shall work with all our might for the completion of the Medical School, an enterprise for the honor of the University and the good of the state too long delayed. We shall hope and work for the needed additional hospitals to bring our clinics up to 500 or 600 beds, for the nurses' home, the women's clinic (much needed in the state), the psychopathic hospital and for the additional laboratories and equipment which we must have to fulfill the needs of medical education and research in the Northwest."

DEAN TO EXAMINE JUNIOR COLLEGES

R. R. Shumway, assistant dean for students' work at the University of Minnesota, will leave this week on an annual tour to inspect Minnesota junior colleges and independent colleges in the state from which transfer students are given credit for freshman and sophomore work.

Dean Shumway makes it a point to determine that work given in the junior colleges is of a grade to warrant its acceptance from students who seek to enter the University of Minnesota with advanced standing. According to early reports on junior college registration, attendance is growing at most of them.

Junior college departments run in connection with state high or normal schools will be visited in the eight cities of Ely, Eveleth, Hibbing, Virginia, Coleraine, Rochester, Winona, and Bemidji. Private colleges which Dean Shumway will visit include Concordia College, St. Paul; St. John's, Collegeville; Villa Sancta Scholastica, Duluth; Augsburg Seminary, Minneapolis; St. Benedict's, St. Joseph; and St. Mary's Hall, Faribault.

Dean Shumway will make a number of short trips rather than attempt to visit all of the institutions consecutively.

CHILD CLINIC HAS STATEWIDE SCOPE

A service to the entire state of Minnesota will be performed by the Child Guidance Clinic which was opened Nov. 1 at the University of Minnesota for the experimental year during which it will be financed by the Commonwealth Fund of New York.

The purpose of the clinic is to examine, study, and suggest treatment for children of abnormal behavior, so that remedial care can begin in early youth before the troubles become too firmly rooted.

Dr. Lawson Lowry has been appointed director. Working with him he will have a staff of psychologists, social workers and clerks, as well as a number of interested members of the medical profession.

Social agencies or the authorities in any community in Minnesota may send children to the clinic for observation. Parents or guardians also may present children whom they would like to have examined.

Following the demonstration year during which the clinic will be at the University, both Minneapolis and St. Paul will establish permanent clinics for child guidance according to present plans.

President Entertained at Worthington

A. M. Welles, editor of the Worthington Globe, had charge of a meeting of University of Minnesota alumni in Worthington on Nov. 6, at which President L. D. Coffman was the guest of honor. Besides attending and addressing the dinner gathering of alumni in the evening, President Coffman was guest of the Kiwanis club at noon. He also spoke to the students of the Worthington high school.

The University of Minnesota News Service

Official News Reports of The State University to the Press of the State of Minnesota

VOL. II, No. 8

Published Every Other Week by the University of Minnesota

Nov. 21, 1923

GRADUATE SCHOOL ONE OF SIX LEADERS

The graduate school of the University of Minnesota, formally established as a distinct department only 18 years ago, has grown in that period to be one of the half dozen largest schools of graduate study in the United States, statistics of last year and this reveal. First quarter registrations alone number 704 this year, of which 601 are at the university proper and 163 at the Mayo Foundation, Rochester. Besides the 163 medical students at Rochester, 56 on the main campus are pursuing advanced subjects in the field of medicine, making that the largest of the graduate school branches.

Dean Guy Stanton Ford, director of the graduate school, completed his tenth year in the capacity when the college year began last month and is now starting his second decade. Most of the school's growth has taken place during the ten years of his directorship. In 1913 175 students registered for graduate work. Last year, during the four quarters 1134 registered, according to figures in Dean Ford's office.

"Students from all parts of the world come to Minnesota to pursue the graduate studies in which we have attained particular excellence," said Dean Ford last night. "The benefit to the state of such work as the graduate school does in medicine, agriculture, and mining, for example, has attracted wide attention. These students are not drawn here by theories, but by the specific results that have been attained in practical fields as a result of graduate school accomplishments."

Students Major in 57 Fields
This fall graduate students have registered to do work in 57 distinct fields, the records show. In numbers, medicine, agriculture, and education lead. In the field of education, Minnesota has done outstanding work in educational administration, educational psychology, and public school finance, among other subjects.

The list of subjects and the number enrolled in each as a major are as follows: Biochemistry, 26; agricultural economics, 20; agronomy and farm management, 6; anatomy, 11; animal biology, 3; animal husbandry, 3; anthropology, 2; bacteriology and immunology, 7; botany, 8; chemistry, 48; comparative literature, 2; comparative pathology, 3; dairy husbandry, 11; economics, 26; education, 41; educational administration, 39; educational psychology, 19; chemical engineering, 12; civil engineering, 5; electrical engineering, 4; mechanical engineering, 5; structural engineering, 1; English, 57; English philology, 1; entomology, 9; geology, 11; German, 9; history, 35; home economics, 2; horticulture, 9; Latin, 6; mathematics, 13; medicine, 4; preventive medicine, 4; metallography, 3; nervous and mental diseases, 1; obstetrics and gynecology, 4; ophthalmology and otolaryngology, 4; parasitology, 3; paleontology, 1; pathology, 5; pediatrics, 3; petrology, 2; pharmacology and therapeutics, 2; philosophy, 4; physics, 15; physiology and physical chemistry, 5; plant breeding, 11; plant pathology, 14; political science, 12; psychology, 14; romance languages, 20; Scandinavian, 5; soils, 4; surgery, 4; sociology, 17; veterinary medicine, 2.

Clinical Medicine Advanced
Among the accomplishments of the graduate school in medical subjects, according to Dean Ford, has been that of making clinical work in medicine "a serious, long-pursued and intensive spe-

HORSE VALUE SEEMS DUE FOR UPTURN

Farmers in the United States will do well to consider carefully the chances for profit in horse breeding during the next few years according to a recent study by W. H. Peters, Professor of Animal Husbandry at the University of Minnesota. Pointing out that since 1917 fewer colts have been foaled annually than the number of old horses that have died, also that the world's horse population is at its lowest in years, he implies a deduction that horse raising should be in for a turn for the better.

Accompanying his statement by a chart showing the purchasing power of horses in terms of other commodities, the writer reveals that this purchasing power now is at or near the bottom of the cycle. It touched a low point for all time in 1920 and has recovered but little since then. On a scale of 100 established as the average 1909-1914 purchasing power of the horse, the chart shows that this had fallen below 35 by the middle of 1920.

Taking Minnesota as an example, Prof. Peters shows that in 1910 there were 820,065 horses and mules in the state, with \$1,771 or 12 per cent in the cities, while in 1920 there were 1,001,684, with \$8,052, or about 6 per cent in the cities. In 1910 there were standing for public service in Minnesota 3541 stallions; in 1920 there were 2515, and in 1922 there were 2037. It is estimated that Minnesota raised 63,069 colts in 1910, 35,587 in 1920, and only about 20,000 in 1922. This he calls a situation prevalent the country over. He predicts that there will be a still further decrease in horses and mule, the country over, in the next two or three years.

Regent Made Big Touchdown

Dr. Egil Boeckmann, a physician in St. Paul, was the member of the 1903 football team at the University of Minnesota who made the last minute touchdown in the famous 6 to 6 tie game with Michigan. Today Dr. Boeckmann is a member of the board of regents of the University. Ed Rogers, the Indian player, kicked the goal after Dr. Boeckmann's touchdown.

"Advanced students must have the M.D. degree when they come and must have the equivalent also of the B.S. degree.

"Because of the opportunities Minnesota offers them for pursuing their own specialties many faculty members whom we could not otherwise obtain to teach our undergraduate students remain at Minnesota," Dean Ford said. "For the sake of the chance offered them to progress in their chosen field, they gladly carry the teaching load. The salaries of these men are paid of course, by the colleges in which they teach, with the result that the graduate school can accomplish much more on its small budget of \$25,000 than would be possible otherwise."

Despite the growing number of students taking advanced work in many branches of knowledge, the United States is still unable to supply the demand, according to Dean Ford. He mentioned such subjects as plant pathology, plant physiology and breeding, chemical engineering, educational administration, and educational psychology.

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105 Publications Bldg.,
University of Minnesota, Minneapolis, Minn.

TICKET CONTRACT STANDS TEST OF LAW

The contract printed on University of Minnesota football tickets, forbidding their resale at increased prices, is held proof under the law, and any one found to have violated it will be removed permanently from the priority list for ticket applications. F. W. Luehring, director of athletics, has announced. The contract on the Minnesota tickets is identical with one used by Chicago, where it was made the subject of a test case in the courts. The university won the case at Chicago.

Wording of the contract is as follows: "This ticket will not be honored if resold or offered for resale at more than the price hereon, or if otherwise used contrary to the conditions under which it was accepted by the original purchaser."

If violations are known to have occurred the tickets will be invalidated at the gate, Mr. Luehring said.

A record has been made of every ticket sold and in cases where scalping is suspected the person to whom the ticket was sold originally will become known, according to Mr. Luehring.

The committee on intercollegiate athletics at the university has appointed a subcommittee to co-operate with federal revenue officers next season in blocking scalpers. Scalpers can be prosecuted under federal tax laws for failure to pay their excess profits tax or to declare the source of that part of their income, Mr. Luehring explained.

STUDENTS, ALUMNI NAME "BEST STUDIES"

What subjects would college men and women take again if they were to return to college? And which subjects would they neglect among those they did study?

F. J. Kelly, dean of administration at the University of Minnesota, presented interesting data on this point in a recent report made to the Commonwealth Fund on a study of liberal arts colleges, which he had made for that organization.

The figures indicate that mathematics and modern foreign languages would be chosen by far fewer students than the number by whom they were studied in years past.

"I wish to cite the results of a questionnaire answered by 372 seniors in 11 colleges and by 546 graduates of eight to ten years out of college," said Dean Kelly's report. "Among the questions asked were: (1) the major subject stud-

NEWS FRATERNITY IN SESSION AT "U"

Sigma Delta Chi, national fraternity of students of journalism, closed its annual convention today at the University of Minnesota, where R. R. Barlow, a member of the S.D.X. national administrative committee, is head of the department of journalism. Delegates from practically all colleges where Sigma Delta Chi is established, together with many prominent graduate newspapermen attended the meetings. The delegates and members of the Minnesota chapter were entertained during the three days by both the Minneapolis Journal and Minnesota Tribune. Tuesday night Theta Sigma Phi national sorority of women in journalism, entertained for its brother organization.

The annual meeting of the board of regents, University of Minnesota, is to be conducted at 10 a.m. Tuesday, Dec. 11. The agricultural committee will meet at 9 a.m. the same day, in accordance with its policy of meeting just before the regular session.

EXTENSION WORKERS PLAN BUSINESS AID

Judge Frank T. Wilson of Stillwater has been elected executive secretary of the Minnesota Business Association recently formed by the general extension division, University of Minnesota, co-operating with a group of businessmen's associations throughout the state.

The purpose of the organization is to provide trade education for the merchant who seeks it, equal to that obtainable by the engineer, lawyer, physician or farmer. Associations which have agreed to co-operate include those made up of bankers, building and loan associations, clothiers, pharmacists, editors, dry goods merchants, hardware dealers, implement dealers, insurance men, jewelers, shoe dealers, and trade paper publishers.

George W. Dowrie, dean of the school of business at the university, and R. K. Price, director of the General Extension division, are to have general oversight of the work.

Community betterment through improved retail business management and improved relations between retail merchants and other groups in the community, including the farmers, is among the objectives which the association will seek. Although the plan has been fully developed and approved it will be put into operation only when funds become available.

(2) the department in which they found their best teacher, and (3) their best course, excluding vocational courses.

"The results show that while 87 had majored in foreign languages, only 22 report their best teacher in modern foreign languages, and only 15 report their best course to have been in modern foreign languages."

While 40 majored in mathematics and 39 report their best teacher in mathematics, only 14 report their best course in mathematics. In contrast with these, 41 majored in philosophy and psychology, 84 found their best teacher in those departments, and 107 found their best course in psychology or philosophy.

Alumni replies to other questions showed that 124 would omit modern foreign language courses which they took, while 79 who did not take the subject would now do so. Mathematics would be omitted by 89 and taken by 26. Philosophy and psychology would be omitted by 19 and taken by 52.

CALLS DENTISTRY FIELD IN MEDICINE

Dentists should be considered members of the medical profession "specializing in the oral region" and the training of dentists and physicians, up to the point of specialization should be identical, Dean Alfred Owre, head of the College of Dentistry at the University of Minnesota, declared in an address before the American Association of Urban Universities at Buffalo, N. Y.

"The time will come he predicted, when dentists will be members of the medical profession except that dentistry will be divided into two groups, one the men of specialized medical training, the other, a group of technicians who will do a majority of the every-day dental work.

Dean Owre recommended also that the study of foreign languages be dropped immediately from pre-dental and pre-medical courses on the grounds that the student seldom uses the knowledge attained and can always get the same information in translation. This change, he pointed out, would lighten the already overburdened curriculum and give the student more time to browse in fields definitely related to the specialty he plans taking up.

Would Cut English and "Math"

Further to lighten the load on medical students and to broaden the possibilities for study in their own fields, he suggested that a lessening of requirements in English and mathematics be brought about by the method of strengthening high school instruction in these studies so that college years need not be devoted to them by men eager to master a specialty.

One important advantage of the suggested division of dentistry into medical specialists and technicians, he pointed out, would be that the technicians could be trained much more quickly and therefore more cheaply than are the dentists of the present day.

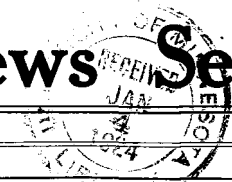
"Long years of dealing with students have finally taught me the utter futility of trying to improve the English of students quite uninterested in having it improved," said Dean Owre. "Here, as elsewhere, interest and ability go hand in hand. I am forced to the conviction that a student who does not care enough about English to elect it, is naturally incapable of much improvement in that field beyond what high school can do for him.

"I could cite scores of examples of first class practitioners, both physicians and dentists, who have gone through the mill of college English—some of them three times—yet are totally incapable of writing a coherent paragraph. A reading of the unreviewed proceedings of almost any dental or medical society will convince the most skeptical."

Scientists Lack Literary Gift

"Most men of a concrete type, such as includes the larger percentages of surgeons, including dentists, have not a literary gift. To these, college courses in English are a waste of time. This is no sign of inferiority in the first-named type, but merely of difference. It includes most of the research men, many of the finest teachers, and practically all of the skilled technical men, such as surgeons."

Dean Owre predicted that the national study of dentistry now being made by the Carnegie Foundation for the Advancement of Learning will recommend the same pre-professional and pre-clinical preparation for both medicine and dentistry.



TO AVOID GOITRE EAT STRING BEANS

University Research Worker Names Foods That Are Richest in Iodine

Eat string beans, spinach, and oat husks, and drink skimmed milk if you wish to increase your chances of avoiding goitre is the advice passed on to Minnesotans by Dr. J. F. McClelland of the University of Minnesota medical school, who has devoted much study to the subject.

All of these foods are high in iodine content, oats with the husk on containing 10 milligrams per ton, skimmed milk 12, spinach 18 and string beans 20. These figures are for these articles raised in Minnesota.

Dr. McClelland advances two arguments to show that the amount of iodine in the food affects the prevalence of goitre. Whereas oats with the husks, raised in Minnesota, a region where goitre is prevalent, contain but 10 milligrams of iodine per ton, the same grain raised in Connecticut contains twice as much iodine, and that raised in Maine, 15 times as much, or 150 milligrams to the ton. Wheat raised in Minnesota contains one milligram of iodine per ton, that raised in Connecticut 3.5 milligrams, that produced in Maine, 8 milligrams. There is little goitre in Maine or Connecticut.

Even in goiterous regions, those who eat much roughage and drink milk are far less likely to have goitre, Dr. McClelland says, than those who do not.

Persons who drink Lake Superior water, or water having a similar analysis, would require 2000 years to acquire the amount of iodine found in a normal human thyroid, Dr. McClelland points out. There are approximately 20 milligrams of iodine in the normal thyroid. He gives this as proof that the iodine in the human body must be gotten from food as well as from water.

"We have found," he says, "that a man 23 years of age, living in Minneapolis, a moderately goiterous region, consumed .057 milligrams of iodine in three days, on a normal diet, and lost .021 milligrams by normal secretions in the same time. He gained .036 of a milligram. At this rate it would take him five years to acquire the 20 milligrams which should be contained in the human thyroid."

STUDENTS, FACULTY HEAR CHRISTIANSON

Dawson Editor Speaks at Annual State Day Convocation at Minnesota

Representative Theodore Christianson, chairman of the appropriations committee of the Minnesota House and publisher of the Dawson Sentinel, was the speaker at the annual State Day Convocation at the University of Minnesota on Dec. 6.

Representative Christianson has an intimate knowledge of the University of Minnesota's affairs, due to his years of service on a committee which necessarily plays an important part in the institution's continuance.

State Day Convocation has come to be one of the University's traditions, and each year a prominent Minnesotan is obtained to deliver the principal talk. The exercises also include repetition of the oath of allegiance to Minnesota by the entire student body. President L. D. Coffman introduced the speaker of the day.

SAYS SCHOOLS MUST TRAIN FOR PEACE

"U" Dean Calls on Teachers to Train Citizens of Tolerant Type

Minnesota schools can play an important part in assuring world peace 40 years hence if they will begin today to teach children the basic principals upon which the maintenance of peace depends, according to F. J. Kelly, dean of administration at the University of Minnesota.

In a recent talk at the Winona State Teachers College he urged that Minnesota school teachers fall in line with the program adopted by the international educational conference at Oakland, Cal., last summer.

This group has set itself the task of developing the spirit of international good will in the rising generation through the efforts of public school teachers. This is to be based upon better understanding, upon tolerance, and upon a knowledge of the machinery of international relations.

"The wise business man does not determine his policies by the question, 'What will give me most profit today?' but rather, 'What will give me most profit over a long term of years?'" he said.

"The mother does not decide her treatment of a child by what will produce good behavior today, but rather by what will produce good behavior throughout a child's life. On the same theory, to train peaceable citizens for the world of the future, we must begin in the grade schools of today, instructing children in those principles which are the basis of peace."

DATE FIXED FOR EMBALMERS' STUDY

Extension Division and Medical School to Co-operate in 12 Weeks' Course

The ninth annual course in embalming, offered by the Medical School of the University of Minnesota in co-operation with the General Extension Division, will be begun January 2 to continue through March 26, Dr. R. R. Price, director of the General Extension Division, has announced. The last two days of the session will include a practical course in embalming, offered by a nationally known specialist. All other instruction will be given by medical school men. Albert Worsham of Chicago has been engaged as the outside specialist this year.

Studies will include anatomy, offered by Dr. C. A. Erdmann; bacteriology, Dr. Winford P. Larson; autopsies, Dr. E. T. Bell; chemistry, Prof. Raymond E. Kirk; public health, by representatives of the Minnesota State Board of Health; professional embalming and funeral management, Mr. Worsham; business organization and management, J. L. O'Hara, special lecturer in the School of Business, and practical demonstrations under the direction of the Minnesota Funeral Directors' Association.

Applicants are required to have had at least two years of high school study or its equivalent, attested by a certificate, which must accompany the application. Certificates of good moral character must be presented from a physician or reputable business man. Applicants should register in the Main Engineering building at the university

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COUNTIES AWAKEN TO "U" HOSPITAL CHANCE

State Pays Half Cost of Patients Sent University by Officials

A marked increase in the number of indigent patients sent to the University of Minnesota hospital by county commissioners under the arrangement whereby the state pays half of the expense has taken place since the law was amended last spring, Dean E. P. Lyon of the medical school has announced. Prior to the amendment, patients were recommended for admission by the judges of probate.

"If some counties have profited more than others, it is merely because they have been alert enough to see the advantage in sending patients under the new act," Dean Lyon said. "Inside its capacity of 200 beds the University hospital will take patients whom the county commissioners will certify to be worthy of the state and county support while in hospital. Any town or county official may recommend that a patient be sent to the university. The commissioner then will have a medical examination made and will ascertain the patient's financial condition. If both show the need of action under this law, the patient may be sent to the hospital."

The university hospital will not take mental cases, persons with acute tuberculosis, orthopedic cases, contagious diseases, nor chronic cases which will not be relieved by treatment over a definite period.

Persons capable of self support may be admitted to the university hospital on payment of the hospital fee only, the professional services being rendered by members of the university staff.

PLAYED WITH "FEET", GAME INJURES VOICE

Professor Says Vocal Lessons Are Useless After Big "U" Football Games

Discovered—the reason why schools of music never have football teams.

Voice pupils would be hoarse as goats for half of the week following every game and the ears of the rest of the students would be way off standard, due to heavy duty in the cheering section.

This is vouched for by Prof. E. G. Killen, instructor in voice at the University of Minnesota.

Professor Killen says he would never have to attend a game nor read a newspaper to know how a Minnesota football contest came out. He would be able to reconstruct the game as soon as lessons began Monday morning.

Voice students were practically 100 per cent casualties following the Iowa game of a week ago, and at the close of the Northwestern game, in which Minnesota was victorious. Voice lessons went off smoothly the past week, Minnesota lost to Michigan and besides, the game was played so far away that relatively few were present.

Prof. Killen's keenest disappointment came the week after the Iowa game. One of his pupils is an oboe player in the Minneapolis Symphony orchestra.

He expected this voice at least to be clear and accurate.

When the man tried to sing it sounded like putting the brakes on a train of heavily loaded flatcars.

Even the oboe player had been to the football game.

BETTER SYSTEM WILL REDUCE FAILURES

Visitor Assumes Faculty Tests Can Minimize Classroom Mortality

The present percentage of failures among first year college students, ranging from 5 to 50 per cent in different institutions, will be cut down tremendously in the next ten years as a result of superior testing of applicants for admission and improved adjustment of students to the subjects studied, Prof. C. E. Seashore, dean of the graduate school at the University of Iowa, told a group of faculty members at the University of Minnesota recently.

Colleges and universities which have retained primitive methods will change so as to keep each student busy at his highest natural level for educational achievement, Dean Seashore predicted.

Tests to determine which applicants are of college caliber and to ascertain the subjects for which those admitted are best fitted will be among the methods of improvement, he said.

Dean Seashore has been visiting a number of institutions as representative of the division of educational relations of the National Research Council, his purpose being to discover what those institutions are doing to benefit the superior student.

More attention to junior colleges, the sectioning of college classes on the basis of ability, and the use of the ablest faculty members to instruct first year students were among the steps he suggested to benefit students who now are sometimes held back because their classmates have a less facile grasp of the subject than they have.

State Editors Join Fraternity

A number of leading Minnesota publishers and newspapermen were initiated into Sigma Delta Chi, national professional fraternity of journalists, when it conducted its national convention at the University of Minnesota recently. Among the number were J. P. Coughlin, president of the Minnesota Editorial Association; Herman Roe, publisher of the Northfield News; Ludwig Roe, publisher of the Montevideo News; H. Z. Mitchell, publisher of the Bemidji Sentinel, and Herbert C. Hotaling, executive secretary of the National Editorial Association and secretary of the Ten Thousand Lakes of Minnesota Association. Besides these, a number of Twin City newspaper men were admitted to Sigma Delta Chi.

The Minnesota football team finished fourth in the Western Conference standings, although it lost but one game, that played with Michigan on Nov. 24.

Homecoming at the University of Minnesota on the day of the Iowa football game was the largest ever experienced by the "oldest living grad." Each year sees more and more alumni returning to the campus on Homecoming Day to renew the pleasant associations of undergraduate days.

W. R. Appleby, dean of the School of Mines at the University of Minnesota, has received a letter from a Japanese friend describing in detail the horrors of the earthquake at a city 30 miles from Tokyo. The Japanese saw the tidal wave advance to his very doorstep before it reached its apex. He fled to a temple, but returned next day.

THOUSANDS STUDY MATERNITY CARE

Free Correspondence Study Course Proves Popular With 3200 First Year

The special course in "Hygiene of Maternity and Infancy" offered by the Correspondence Study division of the University of Minnesota in co-operation with the division of child hygiene, Minnesota State Board of Health, has been taken by 3200 persons since it was begun less than a year ago, and registrations are continuing at the rate of more than 400 a month.

According to W. C. Smiley, who directs the correspondence division, more than twice as many have taken "Hygiene of Maternity and Infancy" than have registered for any other course ever offered by the division. The University and State Board of Health cooperate with the Children's Bureau, United States department of labor in offering the course.

The peak of interest in this subject was reached in September when 980 persons registered. Several high schools in Minnesota have subscribed to the course to be taught in classes of girls.

One explanation of the popularity of the study is that no charge is made for this course. The course runs for 15 weeks. Its first purpose is to instruct in the care of women during maternity, its second purpose, improvement in the health of the state as a whole.

MEDICS NUMEROUS IN MIDYEAR CLASS

Nearly a third of the approximately 200 students who will be graduated by the University of Minnesota on Dec. 13 at the end of the fall quarter will receive degrees from the Medical School. This percentage of Medical School graduates occurs only at the end of the fall quarter, the four-quarter system in that college resulting in a relatively larger graduation list than at any other time. At present 43 are slated to receive the M.B. degree and 24 to be given the M.D. degree.

Students who receive the M.B. degree must spend a full year as hospital interns before receiving the degree "doctor of medicine" which entitles them to practice.

A. Ross Hill, former president of the University of Missouri and later representative of the American Red Cross in Europe, will be the graduation speaker.

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DAVIDSON

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CASH ESSAY PRIZES OFFERED BY LEAGUE

City Plan and Home Rule Subjects Set for High School Students

Every student in a Minnesota high school or school of recognized high school standing is eligible to compete in a "good government" essay contest just announced by the League of Minnesota Municipalities, with a first prize of tuition at the University of Minnesota worth \$60, and the alternative of taking the \$60 in cash. Second and third prizes of \$25 and \$15 are offered.

"What will a city plan accomplish for my community?" and "The merits and defects of municipal home rule in Minnesota" are the essay subjects as announced by Prof. M. B. Lambie, executive secretary of the league. The subjects are chosen to stimulate interest in two topics on which the league is centering its attention this year. They are intended also to further good citizenship, encourage good government, and increase interest of high school students in municipal problems.

The essays must not exceed 3000 words, must include footnote references, must be typewritten on paper measuring 8½ by 11 inches, and must be submitted under a "writer's name." The writer's true name must be sent in a separate sealed envelope. A statement from a high school official should accompany each paper, proving that the writer is eligible. A table of contents and bibliography must accompany each essay. This is not included in the 3,000-word limit. Essays must be sent to the executive secretary, League of Minnesota Municipalities, Library building, University of Minnesota.

Announcement of the winner will be made at the convention at Detroit, Minn., on June 24. The committee of judges will be headed by Prof. W. S. Anderson of the political science department.

DO COLLEGE MEN LIKE WORKS OF ART?

New Exhibit Room at University Planned to Help Appreciation

How often does the average college or university student pay any attention to fine paintings and other works of art?

While he gives no direct answer, Prof. S. Chatwood Burton, who directs classes in the fine arts at the University of Minnesota, asserts that if a student gave a few moments twice a year to the serious inspection of works of art it would be a gain over the present situation.

He hopes to bring about at least this much change at the University of Minnesota, which for the first time in its history now has a campus art center which will be devoted to loan exhibitions of painting, drawing, etching, and sculpture, and to the display of art work by students and members of the faculty.

Assignment of a room in the Minnesota Union by the Union board of governors provides the needed space, where it is hoped eventually to build up through gifts the nucleus of a campus art collection.

Provision for the exhibition center is the most important forward step in fostering art interest and knowledge that has ever been taken at the university in the opinion of Prof. Burton.

"COOP" MARKETING LAWS WILL STAND

Efforts to Shake Their Constitutional-ity Will Fail, Professor Says

Efforts to prove that laws permitting co-operative marketing by associations of producers are unconstitutional will be unavailing to defeat those laws in the opinion of Prof. H. W. Ballantyne of the University of Minnesota law school.

Reason why the co-operative marketing laws are good and almost certainly will prevail are set forth by him in the current issue of the Minnesota Law Review, official organ of the Minnesota Bar Association.

"To allow a large number of small individual producers, such as farmers, special devices in the way of selling is merely to recognize economic differences between agriculture and other lines of industry," he points out. "Experience has shown that farmers are unable to control or limit production. Besides, the Capper-Volstead act places a definite check on combinations when it provides that they shall not 'unduly enhance the price of farm products.'"

An important service which the article renders is to dispel the illusion that the various federal and state acts giving special authorization for co-operative organizations are in the nature of vicious class legislation. Professor Ballantyne believes it can not be proved that these acts permit harmful combinations in restraint of trade.

The article declares that the exclusive marketing contracts that are coming into common use in Minnesota and other states are likely to be upheld as not being an undue restraint of trade in spite of the fact that earlier court decisions in Iowa and Colorado pointed in the contrary direction. The right to use injunctions to prevent threatened breach of such contracts by sales to outsiders and the remedy of specific performance have also been recognized in a number of cases.

One of the interesting discussions in the article treats of whether or not an exclusive crop contract of the purchase and sale type really does transfer title to the grower's product to the association. G. C. Henderson in a recent article in the Columbia Law Review has argued that it does not, that in reality the organization is merely holding it in trust for the growers, and that the transfer of title is merely a form or agency to aid the organization in making sales. The Minnesota professor disagrees with this theory, saying that the proceeds of the sale of the crops actually are corporation assets, which the organization can use in building up reserves, paying off debts, or any other reasonable purposes provided by the by-laws.

Made Conference Editoria Officer

Raymond E. Bartholdi of Duluth, business manager of The Minnesota Daily, the student newspaper published at the University of Minnesota, was elected treasurer of the Western Conference Editorial Association at its recent meeting in Ann Arbor, Mich. The association is made up of representatives of student newspapers in Western Conference universities.

Shattuck Men Attending "U"

Ten of the 41 members of Shattuck School's last graduating class who are attending college this year have enrolled at the University of Minnesota according to the Shattuck Spectator. The other 31 are divided among 20 different colleges and universities.

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University of Minnesota, Minneapolis, Minn.

HOME TOWN LIST OF "U" FALL GRADUATES

Duluth Girl Wins Highest Honor in Academic College Group

Many Minnesota towns contributed to the group of students who received degrees from the University of Minnesota last week. Duluth was honored by having the student who took highest honors among those graduated from the College of Science, Literature, and the Arts Grace Emly O'Brien of that city received the bachelor of arts degree magna cum laude, conferred upon her after she had passed a special examination with honors.

Among others graduated the close of the fall quarter were the following: Bachelors of Arts: Marie A. Forster, CHATFIELD; Gerald Elwin Greeley, MAPLETON; Daniel Ernest Affeldt, WYKOFF; Henry E. Bakkila, BRAINERD; William F. Hartfield, BOYD; James M. Hilton, BRIDGEWATER; Abigail Marjorie Knowlton, DULUTH; Reuben Nathaniel Palmer, CHISAGO CITY; Oliver Haggard Perry, GRAND RAPIDS; Waldemar T. Wenner, COLD SPRINGS.

Bachelors of Science in Agriculture: Paul Louis Eddy, HOWARD LAKE; Hobert Burdette Ernst, DODGE CENTER; Laurence Edward Wood, DELAVAN.

Bachelors of Science in Home Economics: Kathleen A. Austin, CASSELTOWN, N.D.; Dorothy May Castle, HAVANA, N.D.; Clara Marie Jerzews, BISCAY; Verda Karen Larson, REDWOOD FALLS; Gertrude A. Morlock, GOOD THUNDER; Margaret Wilson, BROWNTON.

Bachelors of Medicine: Oscar Bernard Bergman, FOLEY; Rachel Carleton, ST. LOUIS PARK; Lawrence Frank Eder, BLUE EARTH; Royal Clendenning Gray, TAYLORS FALLS; John Redmond Hand, BUTTE, MONT.; Peter Eugene Hermanson, RUTHTON; Ray George ohnson, NORTHFIELD; Ralph Edward Leigh, LAKEFIELD; Hobert J. Setzer, TYNDALL, S.D.; Edwin J. Simons, BEMIDJII; Arnold O. Swenson, MARINE-ON-ST. CROIX; Frederick W. VanValkenburg, LONG PRAIRIE; Nelson A. Young, SALT LAKE CITY, UTAH.

Bachelors of Science, College of Education: Henry L. Anderson, WIMONA; Alice Hall, SWANSON; Carmen Gertrude Harpman, OWATONNA; Minnie Fredericka Ratzlaff, VALLEY CITY, N.D.; Clarence Le Roy Varner, ST. CLOUD.

Bachelor of Science in Business: Harold S. Rock, TWO HARBORS.

UNIVERSITY BUILDS NEW RADIO TOWERS

Use to Be Made of Equipment Will Depend on Regents

The University of Minnesota will soon be in a position to transmit information by radio to any place in the state or nation, work on two 90-foot radio towers on the roof of the electrical engineering building having nearly been completed. No definite program for use of the towers outside of regular instruction work has been drawn up, however. The extent to which the equipment is used outside of class and laboratory periods will depend on the board of regents.

Including the 55-foot height of the building, the towers will rise to a point 145 feet in the air according to C. M. Jansky, radio expert at the University. Half of the third floor in the electrical engineering building is being prepared for radio work, including provision for research in telegraphy, telephony, and high frequency problems. There will also be provision for experiments by the signal corps unit of the Reserve Officers Training Corps.

The equipment now going up will make it possible for the university to establish a Class B broadcasting station if the regents see fit to take that action. The present radio license held by the University permits experimental work only.

ENGLISH LEADS ALL LESSONS BY MAIL

Minnesotans are more interested in the study of English than in any other subject. This is the discovery of W. C. Smiley, director of correspondence study courses at the University of Minnesota, who finds that approximately one fourth of all who take correspondence study register for English literature or English composition courses.

The number of students taking correspondence study work during the present year will reach 3,000, Mr. Smiley predicts. New registrations will number approximately 1,500, judging by the present rate of growth. In the course of 11 months since the State Board of Health established its course in the hygiene of maternity and infancy, 3,200 have registered for it. This figure is in addition to the 1,500 registered in other subjects as the course in maternity hygiene is offered free.

Mercy for Flowers Asked By Roberts

Unless residents of Minnesota and visiting tourists realize more fully the need for protecting wild flowers and picking very carefully the ones that they take, future citizens may have to go to the state parks to see the spring flowers for they can find them nowhere else, Dr. Thomas S. Roberts of the Zoological Museum predicted at a recent meeting of the Minnesota section, Wild Flower Preservation society.

The lady'slipper, which is the Minnesota state flower, and even some of the varieties once quite common, are disappearing from Minnesota woods and prairies due to the ravages of careless flower gatherers, Dr. Roberts said.

He pleaded for attention to the situation and asked that propaganda be spread concerning the dangers of pulling flowers up by the roots, crushing the stems or plants in gathering, or making a clean sweep of all the wild flowers of a certain variety found in a woods or prairie area.

PLAN TO REALIGN BOTANY STUDIES

Carnegie Institute Man Chosen As New Head of Department

Reorganization of the botany department at the University of Minnesota with a view to increasing research work on plant problems of vital importance to the northwest and laying more emphasis on the practical application of botany in such fields as agriculture will be effected next fall.

Prof. James Arthur Harris, now with the Carnegie Institute, has been engaged as the new head of the botany department, which has been under the temporary supervision of an acting head for more than a year.

Prof. Harris has become one of the outstanding men in his field, according to Dean J. B. Johnston of the College of Science, Literature, and the Arts. He is expected to direct the work of the department with new emphasis on the subjects of plant geography, plant physiology, plant and animal genetics, and agriculture.

The new department head will take up his work in September, 1924. He is a graduate of the University of Kansas and received his doctor's degree at Washington University, St. Louis. Since 1907 he has been botanical investigator for the Carnegie Institute. Prof. Harris also has been working with the bureau of plant industry, United States Department of Agriculture, since 1916.

U. S. ARMY SEEKS OFFICERS IN R.O.T.C.'s

Honor students in university R.O.T.C.'s, former officers honorably separated from the service, and honor graduates of colleges in past years will be given a chance to fill 100 vacancies in the rank of second lieutenant, United States Army, in examinations during the week of April 14. Colonel Girard Sturtevant, commandant at the University of Minnesota, has announced.

The plan of the army is to take 80 of the 100 from the better students in the collegiate reserve officers training corps, and the Seventh Corps area, which includes the University of Minnesota, may designate 11 students to take the examination.

Former army officers, even graduates of the United States Military Academy, as well as graduates of the U.S. Naval Academy, will be required to take the entire mental examination.

BEST DRUG GARDENS ARE AT "U" OF MINN.

The University of Minnesota College of Pharmacy is shown to have the most inclusive garden of drug, poisonous, and oil plants in the United States according to a compilation of plants grown in 20 such gardens, recently published by Dr. W. W. Stockberger of the United States department of agriculture. Three hundred and sixteen of the varieties listed as grown in American drug gardens are raised at Minnesota the list shows.

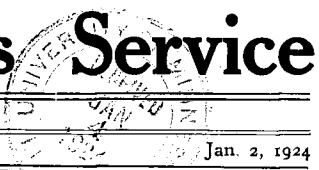
The Minnesota garden has long been a hobby with Dean F. J. Wulling of the College of Pharmacy, who started it many years ago in his own back yard. Dr. E. L. Newcomb now supervises the garden under Dean Wulling's supervision.

The University of Minnesota News Service

Official News Reports of The State University to the Press of the State of Minnesota

VOL. II, No. 11

Published Every Other Week by the University of Minnesota



TO MINNESOTA EDITORS

The University of Minnesota takes this opportunity to offer you through its News Service the heartiest greetings of the holiday season. It also offers you all its best wishes for a New Year of prosperity, contentment, and interest in those things which make for the fundamental betterment of mankind and the increase of his well-being.

On its own behalf the News Service offers Minnesota newspapers any service of information that the editors of Minnesota may desire from the University of Minnesota.

Viewed in true perspective, no news is more important to Minnesota than that which tells of the activities and progress of the institution where the final step in the course of state public instruction may be taken by any who prepare themselves and maintain the standards of work.

At a time when editors are making a justified outcry over the mass of commercialized publicity and propaganda that is showered on them, the News Service believes without hypocrisy that its effort to provide real news should be considered a true service unless someone takes the stand that the facts of higher education are neither of interest nor worth. In many parts of the country papers spend vast sums to obtain college and university news.

It is the policy of this bureau never to send out a story that is not perfectly true, nor any but those worth reading by a citizen of the state which can boast no finer representative than its outstanding university. Time, space, mechanical considerations, or many other factors may prevent an editor from using more than a fraction of the material, but the News Service wants him to feel that it is sent to him as something altogether worthy of his attention and that of his readers, not that it is material forced upon his consideration. In most cases the assumption that he is interested is the correct one.

News of state education is quite as worth while as news of state politics, state finance, or forms of state development other than education.

The one hope of the News Service is that Minnesota newspapers will cooperate with it to increase interest and belief in education itself by reporting some of the interesting facts and figures incidental to the educational process.

One word to add: this bureau hopes that any Minnesota editor who desires particular information concerning the University of Minnesota or its departments for any news or editorial purpose, will feel free to write the request to the University of Minnesota News Service, 105 Publications building, Main Campus, Minneapolis, Minn.

PAPER BAG THREAT WORRIES FACULTY

Loss of Campus Club Home to Complicate the Eating Problem

"Where do we eat?" is destined to become a decidedly important question to members of the University of Minnesota faculty, as changes in campus streets to provide for erection of the stadium will make it necessary to tear down the ancient frame dwelling which has housed the "Campus Club," home of faculty digestion.

The building would have had to go sooner or later in any case, as it stands squarely in the way of projected campus improvements, but the stadium plans have brought on the crisis.

Shevlin hall provides eating rooms for women students, the Minnesota Union is the cafeteria for men, and the university has been making provision for the faculty by renting the old dwelling to the club at a reasonable figure.

The Minneapolis city council has recommended street changes asked by the regents to accommodate the stadium plans and one of the altered rights of way will cut through the present clubhouse.

Perhaps the paper bag industry will have a big boom in the university neighborhood next year.

UNIVERSITY NOTES

What university authorities have a right to expect from student pastors assigned to institutions of higher learning by denominational bodies was the subject of an address delivered by Dean Fred J. Kelly, University of Minnesota, in Chicago on January 2. Dean Kelly spoke before the annual meeting of religious workers in universities which held sessions Jan. 1, 2, and 3.

Drs. A. D. Hirschfelder and J. F. McClelland, members of the University of Minnesota medical school faculty, read papers at the holiday meetings in St. Louis of the Federation of American Societies for Experimental Biology.

Fred B. Snyder, Minneapolis attorney, who has been president of the Board of Regents of the University of Minnesota since 1914, was reelected to that office at the December meeting of the board. Milton M. Williams was reelected to the vice-presidency and Albert J. Lobb, comptroller of the university, was reelected secretary of the board. President Snyder is a graduate of the University of Minnesota in the class of 1881.

Incoming law students at the University of Minnesota law school show an increasing belief in the honor system, according to Dean Everett E. Fraser. Last year's freshman class took a vote in which 60 per cent of the students expressed themselves in favor of the honor system. Ninety per cent of this year's entering class went on record in favor of the honor system. Under the system students pledge themselves not to give or receive aid in classroom or examinations, also to report any violations that may come to their attention.

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Reprints of any or all articles may be made with or without credit line.

Address all communications to Thos. E. Steward, Editor, 106 Publications Bldg., University of Minnesota, Minneapolis, Minn.

"U" MAY IMPROVE HOLIDAY CELERY

Regents Accept \$2,000 Gift for Garden Truck Experiments on Swamp Land

Minnesotans who relish crisp, ivory-colored celery and dainty, green lettuce heads will have an opportunity to thank the University of Minnesota if experiments to be conducted at the village of Fens, in St. Louis county, prove successful.

At their last meeting, the regents accepted a \$2,000 gift from the St. Louis County Club for the support of an agricultural experiment field at Fens, where studies will be made of the best methods of growing garden truck on the rich swamp lands of that district. Representatives of the Department of Agriculture of the university will oversee the work.

In accepting the gift the regents made it plain that they were not establishing an additional university experiment station, but were merely accepting a temporary opportunity for service which the club's gift was making possible.

STUDENT CADETS DRILL IN CADENCES

Officer Who Developed New System Now on Duty at Minnesota

Visitors at the University of Minnesota who hear beginning classes of the R.O.T.C. repeating their officers' orders in a loud and none too respectful voice need not fear that discipline has gone altogether to the dogs, nor believe that the awkward squad members are mocking those who direct them.

It's all nothing but the "cadence system" of drill, in which the squad repeats the commands in unison, fixing in mind the words and count of the command so that words and motions are learned and remembered together, producing greater efficiency in execution.

The cadence system is one which was approved during the world war and put into effect in drilling men for the United States army. The man who originated it, Major Bernard Lentz, is now a professor of military science and tactics at the University of Minnesota, so the men have instruction from the original source in this perfected method of training.

This is Major Lentz's second period of service at the University of Minnesota to which he was assigned once before as a member of the military staff.

ADD BEAR GROUP TO NATURE DISPLAY

Northern Minn. Animals Will Join Deer, Beaver, Birds, and Caribou

A group of black bears obtained in the interior of St. Louis county is being constructed in the zoological museum at the University of Minnesota as an addition to the other handsome wild life groups which from time to time have been donated to the museum by well-to-do friends. It will show the bears in their natural forest setting, with a curved background painted to represent the wilderness, blending into a foreground formed of actual forest materials and lifelike waxwork. Both adult bears and cubs will be included in the group.

R. Bruce Horsfall, an artist who has spent much of his life in studying and reproducing wild creatures and plant life, has been engaged to paint in the background. Jenness Richardson, naturalist and taxidermist of the museum staff, will perform the delicate task of recreating the foreground.

This is the sixth major group in the Zoological Museum, the others representing bird life at Heron Lake, deer, beavers, caribou, and Alaskan sheep. There are also groups of smaller creatures, such as bank swallows, chipmunks, and the like.

If the museum obtains additional funds from donations, Dr. Thomas S. Roberts, museum director, plans to construct a number of small groups in portable cases that can be delivered to school buildings throughout the state as an aid to the children's study of nature.

James Ford Bell of Minneapolis has given the money for the bear group.

NATURE LECTURES SLATED AT MUSEUM

The movement to increase interest in the wild life of Minnesota and in nature study and the preservation of animals, birds, and flowers, which receives so much attention from many clubs, from sportsmen's organizations and from those interested in tourist travel, is helped at the University of Minnesota each winter by a series of Sunday lectures on natural science under the auspices of the zoological museum.

Visitors to Minneapolis are welcomed at the lectures, which are delivered in the Animal Biology building at 3:30 p.m. each Sunday during January, February, and March.

Subjects and speakers this year will be as follows: Jan. 6, "Shams and Humbugs in Nature," by Dr. Thomas S. Roberts; Jan. 13, "Rambles Beside the Pacific," by Prof. W. S. Cooper; Jan. 20, "Organic Evolution," by Prof. Dwight E. Minnich; Jan. 27, "Pasture and Human Welfare," by Prof. C. P. Sigerfoos; Feb. 3, "Spider Lore," by Prof. W. A. Riley; Feb. 10, "The Animal Life on the Sand Dunes of Minnesota," by Prof. R. N. Chapman; Feb. 17, "Drainage and Its Effects on Wild Life," by Carlos Avery; Feb. 24, "Personality of a Protozoan," by Prof. Elmer J. Lund; March 2, "An American Zoo of Other Days," by Prof. C. R. Stauffer; March 9, "Forests and Human Life," by Dr. Raphael Zon; March 16, "Nectar Bearing Flowers," by Prof. N. L. Huff; March 23, "Origin, Nature, and Transmission of Sound," by Prof. Henry A. Erickson; March 30, "Bird banding: History, object, method, and results," by Dr. Thomas S. Roberts.

TELLS CHEMISTRY'S GIFT TO ENGINEER

Industries, Railroads, Highway Builders Depend on Chemical Science

Chemistry has gone a long way towards revolutionizing engineering processes by substituting chemically compounded materials such as bricks, concrete and alloy metals for the natural stone, wood and metals of earlier building methods, Dr. C. A. Mann, head of the division of chemical engineering at the University of Minnesota, told students specializing in chemistry, whom he recently addressed.

In the course of his address he pointed out that the mining, civil, mechanical, and electrical engineer is beholden to chemistry for many of the most important processes and materials he employs today.

Two industries, those of paper making and the manufacture of gas, have come to a point where they can expect little more from the mechanical engineer and must wait for chemical discovery to open a gate to progress, Dr. Mann said. Because of the depletion of spruce and balsam for pulp, paper making can not expand, nor can the paper maker greatly reduce manufacturing costs, until a new material is developed. The gas manufacturer, with machinery that is practically perfect, can make little progress until chemistry makes it possible for him to employ his materials, coal and oil, more effectively and economically.

Such every day articles as the storage battery and the incandescent light really owe more to the expert chemist than to the master of electricity, and the mining engineer turns to chemistry for most of the better processes of extracting metals from ores, Dr. Mann pointed out.

In industry the chemist has developed not only many manufactured articles of prime importance, but also the special combinations of metals that must be used in the machines which turn out many commodities.

FACULTY MAN HELPS STATE SAVE MILLION

U. S. Supreme Court Decides Drainage Suit in Minnesota's Favor

Frederic Bass, head of the department of civil engineering at the University of Minnesota served as chief engineering counsel for the state of Minnesota in defending the \$1,000,000 suit brought by the state of North Dakota for flood damages six years ago, a suit which the United States Supreme Court has just decided in favor of Minnesota.

North Dakota contended in bringing suit that drainage projects in Minnesota diverted so much water into Lake Traverse and the Bois des Sioux river that the water level was raised two feet, causing more than 100,000 acres of land to be overflowed. During trial of the case the original two-foot claim was reduced to about two inches. This, with other evidence, led the supreme court to find for the defendant state.

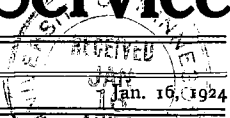
The case has received widespread attention in past years, but few knew that it has finally been decided. It is said to have been the largest claim ever filed against Minnesota by another state.

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BAR BOARD REJECTS LESS THAN 1 PER CENT

Most States Turn Sterner Face to Law Hopefuls

Only two states among 24 for which statistics are quoted in recent issue of a publication called "The Law Student" are found to compare with Minnesota in the percentage of applicants who gain admission to the bar. After examinations given for bar admission last July, North Dakota admitted all who took the examination, Kentucky admitted all but five per cent, Minnesota admitted all but 0.8 of one per cent, there being but one rejection among 133 applicants for admission to the right to practice law.

Dean Everett Fraser of the University of Minnesota Law School happened onto the comparative figures and they have been reprinted in the current issue of the Minnesota Law Review. No comment is included with the Law Review's statement.

The figures, based in almost every instance on examinations taken in June or July, 1923, show the following facts: California, 295 examined, 31 per cent failed; Colorado, 58 examined, 25 per cent failed; Connecticut, 118 examined, 50 per cent failed; District of Columbia, "about one half failed"; Illinois, 319 examined; 36 per cent failed; Kentucky, 61 examined, 5 per cent failed; Maine, "33 to 50 per cent failed"; Massachusetts, 614 examined, 62 per cent failed; Minnesota, 133 examined, 0.8 per cent failed; Missouri, 256 examined, 27 per cent failed; Mississippi, 20 examined, 30 per cent failed; Nebraska, 42 examined, 11 per cent failed; Nevada, "one even third failed"; New Hampshire, 22 examined, 40 per cent failed; New Jersey, 144 examined, 44 per cent failed; New York, 1057 examined, 54 per cent failed; North Dakota, "no exact figures, all passed"; Ohio, 494 examined, 59 per cent failed; Rhode Island, 15 examined, 53 per cent failed; Tennessee, 138 examined, 14 per cent failed; Texas, "only about one fourth pass"; West Virginia, 17 examined, 35 per cent failed; Wisconsin, 122 examined, 32 per cent failed.

A little more than a year ago the American Bar Association recommended that all states improve the standard of admission to the bar by requiring candidates to qualify with two years of a liberal education at college followed by three years of study at a law school. One state, Illinois, has adopted approximately such requirements, except that applicants may study under a lawyer rather than in law school if they work an additional year and submit to annual examinations under the state board of law examiners.

TAX CONFERENCE MEETS AT U

Tax problems both of state and municipal scope were discussed at the University of Minnesota by officials from all parts of the state during the eighth annual Minnesota Tax Conference, held there on January 16 and 17. Prof. M. B. Lambie invited the conference to use university facilities as the guest of the Municipal Reference Bureau. Among the speakers at the two days sessions were B. M. Loeffler of Albert Lea, president of the conference, Samuel Lord and J. G. Armonson of the Minnesota State Tax Commission, Representative Theodore Christenson of Dawson, chairman of the house committee on appropriations, and several city and county assessors from Minnesota communities.

INTEREST IN MUSIC SHOWS STEADY GAIN

Enrollment Shows 200 in Regular Courses and 375 in Bands, Choruses

Two hundred regularly enrolled music students and 375 additional enrollments in such musical activities as the band, choruses, and glee clubs make the winter quarter registration in the school of music, University of Minnesota, the earliest it has yet been according to Dr. Carlyle Scott, director of the school.

Membership in organized musical activities includes 150 in the All-University chorus under Prof. Earle G. Killen; 100 in the band, under Director Michael Jalma; 60 in the orchestra conducted by Prof. A. Pepsinsky; 40 in the women's chorus and 24 in the men's glee club, both of the latter directed by Prof. Killen.

Mrs. Inez Richter, a former music student at Minnesota, has been added this quarter as a member of the faculty giving instruction in voice. She has been studying in Germany under Mme. Schoen-Rene, formerly well known in Minneapolis, and has also been singing in German municipal opera for about seven years.

Friday noon organ recitals in the music auditorium, played by Prof. George Fairclough, instructor in organ have been an innovation this year that has proved popular. The recitals have drawn large audiences from among the student body and faculty.

Dr. Scott reports that the All-University concert course, in which artists of the highest reputation appear, is being attended by 2500 people, while the chamber music course is drawing an average of 600 at a concert.

Among the students in the School of Music are a number who are fitting themselves to be public school supervisors of music. Through an arrangement with the public schools of Minneapolis, these are given an opportunity to do practice supervising which adds important practical experience to instruction in theory.

RECRUIT LAW STAFF FROM MANY TOWNS

Students from seven Minnesota cities outside Minneapolis and St. Paul are members of the student editorial board of the Minnesota Law Review, published by the University of Minnesota Law school. The Law Review is also official organ of the Minnesota State Bar Association.

James L. Hetland of ADA is president of the board and recent case editor. Wendell O. Rogers of AITKIN is associate editor. Members of the board include Floyd L. Dwight, BLUE EARTH; Frank W. Hanft, BRAINERD; Charles B. Howard, PIPESTONE; Douglas P. Hunt, LITCHFIELD; and Maynard E. Pirsig, ELMORE. Vernon X. Miller is the ST. PAUL man on the board.

Publications Board Adds Members

Dwight W. Caswell of ANOKA has been elected to membership on the board of student publications at the University of Minnesota to fill the vacancy left when Theodore Walters of TULSA, OKLA., left college. Mr. Caswell is a senior. Conrad H. Hammar of ODIN has been elected treasurer and Harold Westermann, Minneapolis, vice president. The board of student publications has direct oversight of The Minnesota Daily. The Gopher, which is a junior class year-

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Thos. E. Steward, Editor,
105 Publications Bldg.,
University of Minnesota, Minneapolis, Minn.

EDUCATIONAL GLEANINGS

There is nothing in America of which she boasts less, and nothing of which she has a greater right to be proud than her universities.—Lord Bryce.

A great teacher always leaves a great mark on every student with whom he comes in contact.—David Starr Jordan.

Colleges can serve us only when their aim is not to drill but to create. They bring every ray of genius to their hospitable halls, that by their combined influence they may set the heart of youth in flame.—Emerson.

To the real teacher each student is a fresh problem. Books can be classified and shelved, but not students.—David Starr Jordan.

This is an age of information, and before the newspapers of our land lies a great opportunity to bring to the people everywhere that which they should know and a great obligation to see that what is presented is true and worth while. The journalist and the teacher are both engaged in the work of education and it is important that both should have high standards and patriotic purposes.—Stratton D. Brooks.

There were 1400 American students in France during the past year according to the report of the American University Union in Europe.

Columbia University last year received \$12,728,021.59 in gifts alone. On June 30, 1923, the resources of Columbia University were \$92,240,574.79, of which nearly \$73,000,000 was in the educational system of the actual university.

School children of the United States saved \$9,500,000 last year, according to figures given out by the savings bank division of the American Bankers Association.

Mathematics Professor Honored

Dr. Dunham Jackson of the department of Mathematics, University of Minnesota, was elected a vice president of the Mathematical Association of America at its recent meeting in Cincinnati.

book, and The Ski-U-Mah, an undergraduate magazine. Mr. Caswell was named to the board by the All-University Student Council as a representative of the college of Science, Literature, and the Arts.

"U" LEADERS STATE NEEDS FOR YEAR '24

President Coffman Urges Students to Assume More Responsibility

The problems confronting the University of Minnesota in 1924 have been stated briefly by a number of leading university people from the administration, faculty, and student body in response to the question, "What does Minnesota need in 1924?" put by The Minnesota Daily, in which the replies were printed.

Among the answers were these: President Lotus D. Coffman—"The most constructive thing the students could do would be to accept at once, in co-operation with the administration, a larger measure of responsibility for the moral and social life of the institution."

Dean E. P. Lyon (medical school)—"We should have more self-education under inspiring leadership and less hand-feeding; more spirit of inquiry and less formal teaching."

Dean G. W. Dowrie (school of business)—"Let us try to work out a freshman dormitory building plan and an all university freshman year. The place to develop spirit and tradition is in the freshman class."

Hermann Wiecking, president of the All-University student council, suggested abolition of the rule preventing students from using tennis courts and skating rinks on Sunday. Erna Schurr, president of the Y.W.C.A., called on students to form discussion groups for the frank consideration of world problems. Dean Alfred Owre of the college of dentistry urged more consideration for an adequate dormitory system for students.

TAXES ON EXEMPT BONDS MAY BE LEGAL

Law Professor Sees Possible New Meaning in 16th Amendment

That it may be within the power of the United States supreme court to interpret the sixteenth amendment so as to permit the federal government to levy income taxes on so-called "tax-exempt" securities is the gist of a paper in the current Minnesota Law Review, written by Prof. Henry W. Rottschaefer, professor of law at the University of Minnesota. He points out that the sixteenth amendment, which empowers the federal government to levy income taxes, refers to incomes in the words, "from whatever source derived." This might be interpreted to include income which some later law has declared exempt.

"Congressional action taxing this exempt income is not so certainly condemned to futility," he says, implying that the supreme court might find the action constitutional. "On the contrary, the case for its taxability under the sixteenth amendment is stronger than for its continued exemption. That Congressional debates at the time of its submission support the restricted view of its scope is not decisive.

"The fourteenth amendment has been extended far beyond what its framers had in mind, because its language is broader than that rather definite purpose. The same is true of the language of the sixteenth amendment."

PREPARE TO ERECT 2 HOSPITAL UNITS

Cancer and Eye, Ear, Nose and Throat Additions Made Possible at "U"

Two new sections of the Minnesota General Hospital, situated on the campus of the University of Minnesota, will be constructed as soon as the weather opens up in the spring. They will add 90 beds to the present 200 bed capacity of the hospital. Both will be built with funds given to the university within the past few years.

The Todd Memorial hospital, in memory of Dr. Frank C. Todd, former Minneapolis specialist, will be devoted to eye, ear, nose and throat cases, while the George Chase Christian Memorial Cancer Hospital will be chiefly for the uses implied in its name. Both will be connected with the present Elliott Memorial Hospital.

A gift last year of \$250,000 from the Citizens Aid Society, a foundation established by the late George Chase Christian, Sr., will provide the funds for the George Chase Christian Memorial Cancer Hospital. Gifts of \$20,000 from Mrs. Frank C. Todd, \$20,000 from Mrs. E. C. Gale, and the pledge of another gift of \$5,000 will form the nucleus of funds for the Todd Memorial structure. Its entire cost will be \$162,500.

The regents, in line with the terms of the gift, will spend \$200,000 on the cancer hospital building and the remaining \$50,000 on a therapeutic X-ray apparatus and on radium for use in curative work. The therapeutic X-ray equipment will be a more powerful and effective machine than the one now used at the Elliott hospital.

TWO SHORT COURSES ENROLL 75 MEMBERS

Registration of 29 prospective campers and funeral directors in Minnesota cities and towns has been announced by the General Extension Division, University of Minnesota, in the annual short course which began Jan. 2 to continue for 12 weeks. The course is offered jointly by the Extension Division and the Medical School. During the last 10 days of the course Albert Worsham of Chicago, a national authority, will be present for special demonstrations.

The Extension Division is conducting at the same time a short course with weekly meetings for Boy Scout officials, in which 46 are registered. This course is offered by the university, jointly with Boy Scout officials of the twin cities and nearby communities. It will continue until Feb. 27 with weekly meetings in the Minnesota Union and with field demonstrations and practical work. Stress is laid on the principles of scoutcraft and camping.

New Botany Chief Visits University

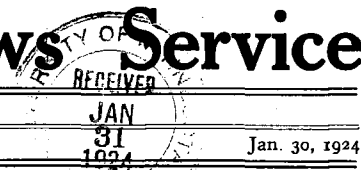
Dr. James Arthur Harris, recently elected head of the department of botany at the University of Minnesota, has been spending a few days at the university, looking over the institution with which he will be connected after September and meeting faculty members. Dr. Harris came to Minneapolis from Cold Spring Harbor, where he has been attached to the Carnegie Institution biological laboratory.

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Jan. 30, 1924

CHILDHOOD FAULTS NEED PROMPT CARE

Irritable Parents May Be Cause Clinic Director Says

What faults in a child should make a mother begin to think of prompt correction, or, if they become serious, about consultation with an expert in child guidance? Many faults, unless corrected in the child's early years, may have a lasting and evil influence on its life, according to Dr. Lawson G. Lowry, who has charge of the temporary Child Guidance Clinic at the University of Minnesota.

Dr. Lowry has listed for Minnesota mothers some of the things they should be on guard against in their children. Parents themselves, he points out, are often to blame for faults in a normal child. Causes of nervous irritability in otherwise normal children, include, according to Dr. Lowry, "nervous, irresponsible, capricious, unjust parents or teachers; personal defects in the child such as crossed eyes or abnormal size, making the child feel unpleasantly conspicuous or inferior; poor physical condition, such as anaemia, bad teeth, bad tonsils; dislike or shame for family or home, due to dirt, poverty, drunkenness or immorality."

Manifestations of abnormality which may require the care of specialists such as those of the free children's clinic on the campus include these: Habit motions—mouth twisting, squinting, frowning, picking at small objects; speech defects—stuttering, stammering, mumbling, mispronunciations; bed wetting; constipation and kindred ills when due to stubbornness if no other cause is found; convulsive attacks other than epilepsy or St. Vitus dance, hysteria, breath holding; conduct—spoilt child, tantrums, stubbornness, "domestic tyranny," delinquency; sleep disturbances—night terrors, nightmares, sleep walking; wandering—truncity; headaches—car-sickness, capricious appetite, timidity, nail-biting (these may be nervous habits); mental habits—day dreaming, phantasies, excessive make-believe, false notions affecting action; mental grades—mental retardation, feeble-mindedness, imbecility, sexual mindedness, undue curiosity.

"It should be distinctly understood," Dr. Lowry said, "that the psychiatrist thinks of these conditions in terms of impaired mental health only after a searching physical examination has ruled out all possibility of organic or physical causes. Some of the examples given represent faulty adjustment to home or school environments; others are the direct and inevitable results of poor parental control. In perhaps seven cases out of ten the list of causes given first will be found responsible."

MARKET VISITORS WILL DINE AT "U"

Merchants of the northwest who attend Twin City Market week the first week in February, will dine at the University of Minnesota the night of Wednesday, Feb. 6, as guests of the wholesalers and jobbers of Minneapolis and St. Paul. The committee has obtained use of the Union ballroom for the 400 or 500 merchants who are expected to attend. President L. D. Coffman will speak a word of greeting and the Men's Glee Club has promised to sing several numbers during the dinner.

ALL MAY BECOME FOOTBALL EXPERTS

Spaulding "Learn by Mail" Course in Game Offered to Public

Ahoy, you football fans! William Spaulding, head coach at the University of Minnesota, has decided to teach football to the entire state of Minnesota, insofar as it wants to learn, during the months when the varsity players are subdued and studious under the burden of other tasks.

A complete correspondence course in football will be offered by Head Coach Spaulding through the university's correspondence study division, W. C. Smiley, head of the division, has just announced. The course will not only be for coaches in secondary schools, but for players, for fans who want to know more about the game, or for anybody else.

Subjects to be taken up in the course will be: Blocking and tackling, handling the ball, the ends, the tackles, the guards, center rush, line play, the backfield, offensive formations and plays, the kickoff, defense, forward pass, forward pass defense, the kicking game, field generalship, preliminary campaign, organization of practice, training and equipment, handling men, development of the team, polish, or how to win, scouting.

Before coming to Minnesota, Spaulding for several years coached a team at Kalamazoo Normal, in Michigan, which went undefeated in its class. Last fall he brought Minnesota back to its old position as one of the most dangerous contenders on Western Conference grids.

HOSPITAL UNITS TO HELP TEACHING

First Adequate Clinical Lecture Room Will Be Provided

A new clinical lecture room for medical students at the University of Minnesota, also a seminar room for eye, ear, nose, and throat studies will be provided in the new Todd Memorial and George Chase Christian Memorial Cancer hospital units to be built this spring.

The present lack of an adequate room for clinical lectures will be solved by inclusion of a lecture room seating 140 people in the Todd Memorial pavilion. This will make it possible to use actual cases in teaching demonstrations for which at present case records have sometimes to be used.

A fully equipped seminar room for ophthalmology and oto-laryngology (eye, ear, nose, and throat) also will be made a part of the Todd hospital. Much of Dr. Todd's extensive medical library will be housed in this room.

Provision will be made for the acceptance of pay patients in both the eye, ear, nose, and throat and cancer hospitals at times when it is convenient to receive them. At times when there is a surplus of beds, patients ill from other ailments than these to which the buildings are principally devoted will be accepted.

A third hospital addition, that to be derived from the gift for the Minnesota Hospital and Home for Crippled Children, will be begun not later than July 1, 1927, the future date on which the gift from W. H. Eustis of Minneapolis will become available.

The state law permitting counties to send indigent patients to the University of Minnesota and receive back half the cost of care from the state treasury will be applicable to both additions as well as to the present hospital.

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Its purpose is to inform the people of Minnesota of the activities and progress, aiding accomplishments of their state university, its students, administration, and faculties.

Reprints of any or all articles may be made with or without credit line.

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Thos. E. Steward, Editor,
105 Publications Bldg.,
University of Minnesota, Minneapolis, Minn.

EDUCATIONAL GLEANINGS

Education is the process designed to help a human being to appreciate God, to know himself and to understand the spirit of the age in which he lives so that he can live in, serve and act with and on the community in which his lot is cast.—Sir Auckland Geddes.

Intellectual growth, like muscular growth, depends upon exercise, and great growth can be secured only by effort approaching the limit of the individual's powers. In college life equal opportunity for all can mean nothing less than free opportunity for each to work in proportion to his powers.—Dean J. B. Johnston, University of Minnesota, College of Science, Literature, and the Arts.

Every citizen of the state in which a university is located should have a peculiar pride in it. He may not agree with all its policies and with its administration in every respect, but he should feel that there rests upon him an obligation as a citizen to see that the university is in every way the equal of the best. President L. D. Coffman, University of Minnesota.

Some maintain that a university is a place for the development of leaders. It is that and more. Very few, however, of those graduated have exceptional ability. It is our business, of course, to find these few and give them the training they need. But it is also our business to train successful practitioners in the several professions, not with the thought that they will be leaders, but that they will be capable practitioners. It is still further our business to provide general training for the great mass of students with the purpose of making them intelligent citizens.—President L. D. Coffman, University of Minnesota.

"I do not suggest that even perfection in national education would end war, but I firmly believe that improved education would make improbable useless wars waged because of misunderstandings and misconceptions, or of false issues and animosities based on ignorance."—Sir Auckland Geddes.

We have today a new psychology, and this is being used to reform college methods of teaching and the selection and organization of subject matter. Vague opinions about education and how the human mind operates are giving way to

WILL ERECT HOME FOR CAMPUS OFFICES

Regents Approve Plans for University Administration Building

University functions and administrative units that are now scattered through many buildings at the University of Minnesota will be brought together and made more effective through construction of the new Administration Building on which work is expected to begin in April.

The offices of the president, dean of administration, comptroller, and business staff, registrar and graduate school are now in the old library building. The dean of the liberal arts college and his assistant deans are in Folwell Hall. The dean of student affairs is in the Chemistry building. The General Extension division is in the Main Engineering building, as is that of the allied correspondence study division. The superintendents of buildings and grounds and university services are in the School of Business building.

Millions of steps across the campus and thousands of minutes per month will be saved to the officers handling all-university matters when the new building is completed. Savings in time alone are calculated to be enough to pay more than interest on the investment in the structure.

Besides the offices of the departments named, the Administration building will contain the meeting room of the board of regents, the office of the alumni secretary, that of the Alumni Weekly, and probably some others.

ENGINEERS' DEAN NAMES HONOR MEN

Because the college of engineering and architecture in the University of Minnesota has always sent out notice slips to the parents of students who were falling behind in their work, Dean O. M. Leland has decided this year to send slips also to those whose sons showed better than average ability in the engineering college.

Noteworthy appreciation of this policy has been expressed to the dean in a flood of letters and telephone calls from parents who received the "good work" announcements.

Besides those sent to Minneapolis and St. Paul addresses, commendatory letters have been sent to the homes of the following out of town men:

Evert C. Ek, STANCHFIELD, Minn.; John A. Banovetz and August L. Untinen, ELY, Minn.; Henry M. Bullard, VILLARD, Minn.; Charles G. Welch, LAMBERT, Mont.; Lewis E. Peterson, HASTINGS, Minn.; Ira B. Garthus, INDEPENDENCE, Wis.; John G. Lewis, ALEXANDRIA, Minn.; Edmond S. McConnell, SAN DIEGO, Cal.; Leonard E. J. Mabbott, ABERDEEN, S. D.; Carl H. Forneft, DEER PARK, Wash.; George F. Berry, DULUTH, Minn.; Harley R. Langman, FAIRMONT, Minn.; Stanley B. Tuttle, OWATONNA, Minn.; Charles Hinman, REDFIELD, S. D.; Roland W. Holmes, ST. LOUIS PARK, Minn.

scientific investigations and conclusions about mental nurture that are based on facts and good reasoning. The psychology of thinking and good reasoning, the psychology of the formation of habits and skills, the psychology of the formation of interest, of correctness and definiteness are making revolutionary transformations.—Dr. Louis W. Raper.

FOOTBALL RECEIPTS HELP ON STADIUM

Committee Votes \$70,000 to Build Approaches and Facilities

The University of Minnesota has set aside \$70,000, more than half of the net receipts from last fall's football games, to be used in completing the new stadium on which work is soon to be started. Contributions are to be used for erecting the stadium proper, including the massive concrete walls and seats. The allotment from football receipts will be devoted to such extra requirements as dressing and locker rooms for both the home and visiting teams, construction of the approaches and entrances, and possibly for sodding the gridiron and building part of the cinder running track for use by the track team.

Minnesota's net share of receipts from the seven football games played last fall was approximately \$130,000. Attendance at the seven games was 134,740 persons, according to official records made public by Albert J. Lobb, comptroller.

The table shows attendance and net receipts to Minnesota from the football schedule, except that it includes the sums guaranteed to visiting teams in the first three games. The figures on the big ten games are in round numbers. Receipts at these games are divided half and half after expenses of officials have been paid, so the sums set down are roughly half of the total amount taken in. Receipts at Madison, Wis., and Ann Arbor, Mich., are seen to be larger than those at Minneapolis for the Iowa and Northwestern games because of the greater seating facilities in those cities. The statistics are as follow:

Game	Attendance	Minnesota Receipts
Ames	8,855	\$ 8,700
Haskell	10,915	12,500
North Dakota	8,212	7,700
Northwestern	13,070	12,000
Wisconsin	31,009	30,000
Iowa	22,007	22,000
Michigan	40,672	40,000
Totals	134,740	\$132,900

Figures on the receipts had to be withheld until now because final reports had not been received from the Michigan game.

"U" WORK FOR PRESS TOLD BEFORE N. M. E. A.

How the department of journalism at the University of Minnesota co-operates with Minnesota newspapers in training young men for their staffs was described to members of the Northern Minnesota Editorial Association at their Wadena meeting by R. R. Barlow, head of the department. The number of requests from editors for young men with newspaper training in college has increased each year since 1921, Mr. Barlow told the editors. He said it was his intention to pay special regard to the training of workers for the country press as soon as an enlarged staff becomes possible in his department.

One of the services he hopes to develop at Minnesota, he said, is the publication of a series of bulletins dealing with business and circulation problems of the country editor. Departments of journalism at a number of other universities have already entered this field of activity successfully, he pointed out.

Mr. Barlow's subject was "How Cubs are trained at the University of Minnesota: What the university, through its department of journalism, might do for the state editors."

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JUNIOR COLLEGES WILL BE EXPENSIVE

President Coffman Predicts They Will Increase University Enrollment

Establishment of junior colleges would increase rather than decrease the number of students attending the University of Minnesota, and in the long run would add considerably to the cost of education in the state, President L. D. Coffman told the board of regents in his annual report, presented last week.

Many of the arguments for junior colleges and some assumptions regarding the results of establishing them are incorrect, he said, basing his statements on a recent study of junior colleges made by Prof. L. V. Koos of the college of education.

Although it would be less expensive for students to attend junior colleges situated in their home towns than to go to college in another city, it is not true that by scattering these colleges around the state, attendance at the University of Minnesota would be reduced, he said, the reason being that the junior colleges themselves would send increasing numbers to take the advanced work at the state university.

"Each local junior college will become a center of stimulation for higher education," the president said. "Students who attend the university in the upper classes will require more laboratory facilities, more equipment, more technical work of every kind. The expense to the state, even in case the state refuses to subsidize the junior colleges, will be increased because of the increase in students in the university."

The assumption that freshman students are too young to be away from home is sometimes heard, but as a matter of fact students in freshman classes today are older than any group of students entering college anywhere ever were in the history of civilization, he declared.

"If it was possible for the parents of the present generation to be freshmen in colleges away from home during their youth, it is far more possible for students of the present generation to be freshmen in colleges away from home, for they are older than their parents were when they went to college. If the public is willing to pay for more higher education to be carried on in junior colleges, then there are many arguments that may be advanced in favor of junior colleges; but if the public is not willing to be taxed more heavily than it is taxed at the present time for higher education, such arguments fall by the way."

DR. NORRIS TO WRITE ON WOMEN'S HEALTH

Beginning with its next issue, the University of Minnesota News Service will furnish to Minnesota weeklies a series of articles on the ways in which women can maintain or improve their health through physical exercise.

These articles will be written especially for Minnesota newspapers by Dr. J. Anna Norris, head of the department of physical education for women at the university. In that capacity Dr. Norris has oversight of all physical training for more than 4,000 women students at the institution.

Dr. Norris is a nationally recognized expert on physical education for women. Although other institutions have tried to obtain her services she has remained at Minnesota because of her belief that she can be of greater service here. She has now promised to assume the additional burden of writing without pay for the Minnesota press.

UNIVERSITY HONORS CAMPUS VETERANS

Faculty and Staff With 30 Years Service Praised on Charter Day

A unique event in the history of the University of Minnesota took place Thursday, Feb. 14, when all employees, whether faculty members or not, who have been at the university for 30 years were the guests of honor at the Charter Day convocation in the Armory. Between 30 and 35 veteran teachers and staff members met the requirements and had places on the platform.

Every rank was represented including a former president, a teamster at University farm, many professors, a veteran gardener at the university botanical gardens, retired teachers and deans, active deans, and many others.

The University of Minnesota obtained its charter on Feb. 18, 1868. Convocations are held on Thursdays, however, so February 14, the nearest Thursday to the correct date, was chosen for the celebration.

President L. D. Coffman, who organized the new Charter Day plan, spoke briefly at the opening of the exercises. He was followed by President-emeritus W. W. Folwell, who came to the university in 1869. Prof. Henry F. Nachtrieb, with a service record of 39 years, introduced all who were on the platform. At the close of the service groups of women students dressed in the costumes of the seventies, eighties, nineties, and of the twentieth century marched across the platform.

One of the veterans honored came in the sixties, three in the seventies, and most of them in the eighties, with a few who began their terms of service between 1890 and 1894, the last year that would bring them within the requirements.

President Coffman hopes that the new way of marking Charter Day will be successful enough to warrant continuing it year after year.

SENIORS WILL SHOW FRESHMEN THE ROPES

Seniors at the University of Minnesota have established a new advisory council whose members will serve as big brothers to freshmen students, especially those who come from outside the twin cities and are less familiar with their surroundings than the newcomers from Minneapolis and St. Paul. Don Neuman, senior law student, has been appointed general chairman, and has announced that a number of juniors will be admitted to the organization at once as they are the men who will be seniors next fall when the next large group of freshmen reaches the campus.

The work of the senior organization will be along the lines of the successful big brother groups at other universities according to Alfred B. Greene, football manager, who called the first meeting.

The seniors will show new students "the ropes" around the campus and city and also will give them sound advice on the way to get the most out of their college years.

Rifle Team Wins All Meets

True to western traditions, the University of Minnesota rifle team has outshot five of the largest universities of the country in recent intercollegiate matches. Each team shoots at home and the scores, carefully checked, are compared. Minnesota marksmen have outshot Cornell, the Michigan Aggies, University of Michigan, Ohio State University, and

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MAY RETURN TO "SEMESTER" PLAN

Division of Year Into Quarters Wastes Time of High School Graduates

The University of Minnesota may go back to the semester system if a proposal that has been referred to the committee on education meets its approval.

Difficulty in arranging entrance dates under the present "quarter" system so that they coincide with midwinter high school graduations and allow freshmen to enter at that time of year is the principal reason for seeking the change.

Most high schools in Minnesota are on the semester system of two principal school "terms" in the course of the year. The university's fall quarter ends before the midwinter end of the first high school semester, and students who finish high school at that time are forced to wait several months before they can become university freshmen.

It is believed, also, that the change would make it easier to set the summer school periods at a time when they would not overlap with public school terms either in early June or early September. President Coffman has gone on record as favoring the return to the semester.

CHEMISTRY TALKS ON RADIO PLANNED

Minnesota radio fans will hear talks on the relationship of chemistry to various phases of everyday life, that are to be made during February and March by members of the university faculty, speaking from WLAC.

Some of the dates and topics will be the following: Feb. 25, Dr. C. J. V. Pettibone, "The relation of chemistry to health and disease;" Feb. 26, Dr. R. A. Gortner, "The relation of chemistry to agriculture and forestry;" March 11, Dr. G. A. Frankforter, "The relation of chemistry to the national defense;" March 13, Miss Alice M. Child, "The relation of chemistry to the home;" March 19, Dr. C. A. Mann, "The relation of chemistry to the development of industries and resources of Minnesota."

The talks will be given to stimulate interest in the \$10,000 chemistry prize essay contest conducted by the American Chemical Society. Six boys or girls will receive four years' tuition to college and \$500 a year for expenses while attending.

The University of Cincinnati. All in all this year, the rifle team has won 14 regular and two special matches, a percentage of 100.

WAR SPECIALS RATE HIGH AS STUDENTS

Situation Shows Need For New Admission Rules, President Believes

"War specials" at the state university, some of them men who have never completed the work required for regular admission by finishing high school courses, have been averaging a little higher in rating than their fellows in the same courses who have met all entrance requirements, President L. D. Coffman of the University of Minnesota has announced.

The university now accepts as special students not only Veterans Bureau trainees but men or women injured in industry who are receiving compensation that will permit them to meet the costs of an education.

Maturity, experience, and intellectual alertness are in many instances more than a satisfactory substitute for much of the preparatory training for college, the president believes.

He consequently is urging that students who have been graduated from approved high schools should be admitted to the university, whether they happen to have taken the university preparatory course or not.

"Students of every possible variety of mind go to college," he points out. "They are actuated by all sorts of professional motives and objectives, and courses have been organized in harmony with these professional motives and objectives. Some further modification of entrance requirements to serve the needs of the various types of mind represented in the student body is inevitable."

"It seems strange that any institution should require solid geometry for entrance for all students, and yet there are some institutions that still cling to this practice. Of what value, for example, can solid geometry be to a student who expects to major in home economics or in music?"

"The experience which we have been having with students who have graduated from high schools but who have not met all the entrance requirements of the university, but who later enter the university after working off those requirements, leads us to believe that wider liberality in admission should be permitted."

FREDERIC SCHLUTZ SUCCEEDS PIRQUET

The medical school at the University of Minnesota has settled one of the most troublesome situations it has encountered in years by electing a new head of the department of children's diseases. Dr. Frederic C. Schlutz has been named.

Following broadcast announcement that Dr. Clemens von Pirquet, a specialist from Vienna, would become head of the department, Dr. Pirquet spent only two weeks in Minnesota, then returned suddenly to Vienna, pleading homesickness and his wife's ill health as excuses.

Every attempt is being made to develop a department of children's diseases at Minnesota that will compare favorably with any in the world, especially in view of the facilities to be provided when the \$1,000,000 gift of William Henry Eustis becomes available for a Children's Hospital and Home.

Dr. Schlutz, the new head, first became connected with the medical faculty in 1910. He has studied in Berlin, Paris, Harvard, and other centers of medical science. During the war he was in the medical service of the United States army.

STUDENTS ILLNESS REACHES NEW LOW

Diphtheria Called Most Fatal Contagious Disease in Temperate Zone

Illness has been cut down at the University of Minnesota until it wastes but six tenths of one per cent of the students' time, according to the report for the fall quarter of the Student Health Service. With 66 class days in the quarter and 9,000 students, a total of 594,000 possible student-days, the loss was but 3,929 student-days, the percentage given. This includes all illness for which excuses were given, whether the patient was treated by the Health Service or by an outside physician. Sixty nine students spent an average of 5.5 days in the hospital.

During the quarter but 17 cases of contagious diseases developed at the University, most of these originating in twin city homes from which students are attending. There were nine cases of chicken-pox, one of diphtheria, one of mumps, five of scarlet fever and one of measles. Three cases of tuberculosis were isolated.

Approximately 1500 students were vaccinated during the fall quarter and 3,000 were given the Schick test to determine whether they were susceptible to diphtheria. About half of these showed susceptibility, yet only one case developed.

"In spite of the use of curative antitoxin for the past fifteen years, diphtheria still causes more deaths than any other contagious disease in the temperate zone," the report said.

"The Health Service exists for the sole purpose of protecting and preserving the health of university students," it continued. "It is entirely a service enterprise, but has an important educational function in that it demonstrates the value of modern preventive and therapeutic medicine to the individual student."

STUDENT INVENTS "TINIEST" WAVE

University Will Study Bearing of Discovery on Radio

Complete electric waves only 10 meters long, believed to be among the shortest ever produced, have been developed by an electric oscillator invented by J. P. Barton, a sophomore student at the University of Minnesota. The electrical engineering department is beginning experiments to determine whether this current is practicable in radio communication.

The waves compare with ordinary lengths of from 100 to 24,000 meters used in radio communication, while wave lengths in power transmission are frequently several thousand miles long.

One advantage of the short waves is that they can be used more effectively in classroom demonstrations than longer ones can.

The Burton oscillator generates pronounced "standing" current so that at one point on a wire several amperes are measured, while a few feet away no current is perceptible. Another of its freaks is that short circuits on the wire do not seem to affect it.

Waves from the new oscillator have the unusually high frequency of 30,000,000 cycles per second.

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Health Chats for Minnesota Women

DR. NORRIS CALLS INTELLIGENT SHOE BUYING KEYSTONE TO FOOT COMFORT

By Dr. J. Anna Norris

(Head of the department of physical education for women at the University of Minnesota)

There are five simple rules for the girl or woman who would avoid foot trouble due to wrong shoes. These rules should be borne in mind whenever she enters a store to buy footwear. Briefly, they are:

- Demand length three quarters of an inch beyond the foot.
- Demand width which permits the whole foot to rest on the sole of the shoe.
- Get a low heel as broad as the heel of the foot.
- Select shoes with a closely-fitting heel counter.
- Make sure that the heel is flexible, with no steel in the shank.

When a woman begins to suspect either her feet or her shoes, probably the first thing she should do is to find out by a simple test whether anything is wrong or not. Anybody can conduct a simple experiment to test whether the feet have maintained their original strong and correct line. Sit or stand with the feet close together, the inner edges touching. Notice whether the great toes touch each other. If they are turned apart from each other, send down a command to them to meet. If they will not do so, it shows that their muscles are weak and you have lost control of them. You can usually regain control by correcting their position with your hand and gradually re-establishing the disused nerve paths between brain and muscle.

Another test is to trace an outline of the foot on paper while standing on it, and then fitting the shoe over the outline and tracing the shoe outline with a pencil of a different color. If the shoe outline covers the foot outline, the shoe is probably a good one. If the toe outline protrudes beyond the shoe outline, you can draw your own conclusion.

The reason why it is so hard to find shoes that are good for the feet is because the feet are such complicated structures. They are made up of many bones fitted to one another in such a way as to form two arches, one longitudinal and one transverse. These arches are important for on them depend the spring and elasticity of the gait and the endurance of the individual for walking and standing.

What has the footwear to do with the preservation or destruction of the arches? Let us examine them. Their support depends entirely on the action of certain muscles. One set is entirely in the sole of the foot and passes forward from the heel to be attached by individual tendons to the bones of the toes. When it contracts it acts like the string of a bow, while the arch is like the bow itself, and is curved upward to its proper position.

As everyone knows, the only way to keep a muscle strong is to give it exercise. It might be supposed that the muscles of the foot, presumably used for hours a day in walking, would be naturally maintained in strength. But are they really used?

If we examine a baby's foot, we get certain important information. We find that it is longest, not in its center line, but in the line passing from the inner side of the heel to the inner side of the great toe joint and out through the great toe. Not only does the great toe refuse to turn toward the center of the foot, but it may even reach sideways toward the other foot, and the toes are in active motion a great deal of the time.

This straight inner line of the foot

is essential to freedom of action of the muscles for the great toe, and therefore to their strength. The great toes is the most important of the five in upholding the arches of the foot.

It is an interesting fact that straight-foot walking without toeing out contributes a muscular pull through this toe that helps build up a good arch.

One warning should be sounded—a person who has been used to high heels should not change abruptly to wearing low ones. Her tendon of Achilles may have been so shortened by the raised position of the heel that a real strain is induced by keeping the heel down for any length of time. She should consider the flat-heeled shoe at first as a piece of gymnasium apparatus and should use it only for short periods of time until she has reestablished the strength of her muscles.

STUDENTS CHOOSE 20 AS REPRESENTATIVE

The names of twenty students who received the largest number of votes in a campus-wide contest to select that number of representative Minnesota students, ten men and ten women, have been made public in The Minnesota Daily, student newspaper at the University of Minnesota.

The men chosen, in alphabetical order, are James Bohan, Ray Eklund, Alfred Greene, Earl Martineau, John K. Mortland, Donald Neuman, Fred Oster, Albert Tousley, Herman Wiecking, and Stuart V. Willson. All have come prominently before the student public through participation in the work of student organizations, student publications, or athletics.

The ten women, all leaders in the work of women students organizations at the university, are Mildred Almen, Lenore Andrist, Jean Archibald, Alice Bartel, Helen Cross, Eleanor Piper, Erma Schurr, Ruth Smalley, Florence Sparks, and Doris Clare Williams.

Pictures of those in each group who received first to fourth places in the voting will be reproduced in the 1925 Gopher, yearbook of the junior class, which will be published in May.

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University of Minnesota, Minneapolis, Minn.

MINNESOTA FIFTH IN TOTAL STUDENTS

Data From All Universities Shows Exact Comparative Ranking

The University of Minnesota ranks fifth in number of students among all American institutions of higher education and sixth when resident students taking part-time work are included. This is the statement in a table compiled from registration statistics of all American colleges and universities by Dr. Raymond Walters of Swarthmore College, published in "School and Society."

Minnesota is shown by the report to have 8,331 regular full-time students and 12,322 students if those who are resident but attend only part of the time are included.

The dental school at Minnesota is fifth in student enrollment among similar institutions of the country, while the medical school is fourth, only those at Michigan, Pennsylvania and Harvard having larger registrations. There are 474 medical and 431 dental students at the University of Minnesota.

Institutions that outrank Minnesota in the number of their regular full-time students are the University of California, with 13,276; Columbia University, with 11,530; University of Illinois, with 9,353; and the University of Michigan, with 8,906. The five institutions larger than Minnesota when part-time resident students are included are: Columbia, with 28,861; California, with 23,139; College of the City of New York, with 17,055; University of Pennsylvania, with 14,632; and New York University, with 14,385.

In the number of women students in college of liberal arts, Minnesota ranks ninth, being surpassed by Columbia, Illinois, Indiana, Iowa, Michigan, Texas, Washington, and Wisconsin. Minnesota's higher ranking in total students is made up through the great preponderance of men students in such subjects as engineering, chemistry, mining, medicine, forestry, and law.

SCIENTIST PREDICTS SCRAMBLE FOR FOSSIL

Many scientists believe that in 100 years or so people will not be so much concerned over the coal or petroleum supply as over the problem of supplying the human race with enough food to live on. Prof. J. J. Willaman told University of Minnesota students in a recent lecture on "Chlorophyll, the chemist, and the world's energy."

Chlorophyll, the green bodies in plants which trap carbon dioxide from the air,

MINNESOTA SONG 1924 PRIZE SET AT \$100.

All Residents of State Urged to Enter University Contest

Every Minnesotan with a penchant for writing either the words or the music of songs has been invited by the University of Minnesota to take part in the contest that has been arranged to bring out a new university song. A prize of \$50 for words and the same sum for music has been voted by the governors of the Minnesota Union. Composers will also have an interest in the song royalties.

The contest will end May 1. Manuscripts should be sent to Howard Laramie, care School of Music, University of Minnesota. The contest is open to the general public, to alumni of the institution, and to the student body and faculty. There is no rule against the collaboration of several persons on a song, provided all of the work is original.

Selection will be made by a committee comprising Dr. Carlyle Scott, chairman of the music department, Michael M. Jalma and Prof. Earle G. Killeen of the music department; Prof. Otto Zerner of the college of engineering, and Prof. James C. Sanderson of the school of mines.

JANSKY CORRECTS U. S. WAVE LENGTHS

The University of Minnesota department of electrical engineering is one of the three institutions selected by the department of commerce to serve radio broadcasting and experiment stations by checking to make sure that they operate on the proper wave lengths. Prof. C. M. Jansky, director of the radio work, said last night.

The Bureau of Standards in Washington for the east, Minnesota for the middle west and Leland Stanford University for the west coast are the stations selected. These will send out wave lengths that are absolutely accurate. Other stations will record these on their wave meters and correct their wave lengths accordingly if there has been error.

The three regulating stations also will receive from other stations, and will check the wave length received against those assigned to the sending stations. For example, if a Chicago station was to be checked, it would be asked to send to Minnesota. The wave lengths would be recorded here. Then the Bureau of Standards would also send to Minnesota the accurate wave length assigned to the Chicago station. The records of the two as received would then be sent to the Bureau of Standards, which would make the comparison and compute the degree of inaccuracy.

combine it with water, and produce oxygen and sugar, is today at the center of chemical interest, he said. Since it causes plants to grow and since animals feed on plants, it is a principal contributor to human life. Plant material may decay and form coal. Animal material may decay and form petroleum. These are the two forms in which natural energy of a long-past period has been stored up for use at the present day.

"The chemist maintains," he said, "that the only way to settle the question of energy and food for the future is to understand the mechanics by which chlorophyll traps the sun's energy. If that is known, we may be able to improve the conditions under which the plant works, or do it ourselves."

SEEK TO PREVENT FISH STARVATION

Expedition to Pacific Will Contribute to World Knowledge, Home Conservation

By studying the fish foods of the Pacific ocean, a group of scientists at the University of Minnesota hope to make their home state, thousands of miles from the ocean, a better place in which to live as well as a better recreation ground for the sportsman. They intend to learn things that will enable the state to increase its supply of game and food fishes.

Among other things, they plan to prove their contention that when "fished-out" lakes occur in Minnesota they are not fished out at all, but that, on the contrary, the fish have been starved out. "Improvements" have cut off the food supply.

Because four-fifths of the earth's surface is water, and yet the human race obtains less than one-tenth of its food supply from the water area, the problem of maintenance of the lives of fishes, is bound to become one of overwhelming importance in the belief of Professor Josephine E. Tilden of the botany department at Minnesota. It is on this account that she is organizing the Minnesota Pacific Expedition to study fish food in the greatest possible laboratory, the Pacific Ocean.

The University of Minnesota can not finance the expedition as its work will be done outside the state, but President L. D. Coffman has endorsed the project, for which Miss Tilden is raising funds from private sources.

Present plans are that the Minnesota Pacific Expedition shall leave in April or June of this year and engage in researches into all factors in the fish food supply of the Pacific for a period of about 18 months, or until the fall of 1925. Soon after beginning the expedition its personnel will attend the first Pan-Pacific Food Conservation conference, to be held at Honolulu, T. H. next August.

The expedition will be divided into two sections under Miss Tilden's plan. The first group made up wholly of men, will be under the command of Dr. Theodore C. Frye of the University of Washington. It will study fish food along the entire west coast of the Americas, south to the Chilean coast and north to Bering strait. The second party commanded by Prof. Henry A. Erikson, head of the department of physics at the University of Minnesota, will study its subject in the Pacific islands, and along the coasts of Australia, New Zealand, Borneo, Sumatra, Siam, China, and Japan. Miss Tilden will be a member of this section of the expedition.

British Praise "Law Review"

Minnesota "produces one of the best of the law reviews and is not behind the eastern states, at any rate in legal learning," according to an article in The Solicitor's Journal, of London England, discussing the appointment of Frank B. Kellogg as American ambassador to Great Britain. The Minnesota Law Review is published at the University of Minnesota. "The Times correspondent speaks of Mr. Kellogg as the 'outward and visible sign of the spiritual merging of the east and west,' says the Solicitor's Journal," but we imagine that Minnesota, which produces one of the best of the law reviews, is not behind the eastern states, at any rate in legal learning."

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HEALTH CHATS FOR MINNESOTA WOMEN

Broken Arches Can Be Built Up and Cure Effected by Simple Exercises

This is the second in a series of articles on Health For Women which Dr. J. Anna Norris, director of physical education for women at the University of Minnesota, is writing for Minnesota newspapers.

By Dr. J. Anna Norris

(Director of physical education for women, University of Minnesota)

It should be made plain to every woman who does not already know it that sagging arches are the cause of much trouble and pain, not only in the feet, but in the legs and back as well. As a result of the perfect bridge-work in the foot, one is able to walk hundreds of miles, run races, jump over chasms. Yet, it is possible to abuse the wonderful mechanism of the foot so that it becomes a source of discomfort, pain, even of disability.

This may come from wearing shoes that are not broad enough, or that have too high heels, throwing the weight support on the wrong points. It may come from improper placement of the foot in walking.

Fortunately, the bridgework can be strengthened and rebuilt by exercises done regularly over a period of a few weeks or months. Below are given a series of these exercises, arranged to be done while a person is in either a walking, standing, lying, or sitting position. All must be done when the feet are bare. The feet should be relaxed, also. To obtain relaxation, stand on one foot, if necessary supporting the body by resting the hand on a table or chair. Then lift the other foot and shake it until it feels heavy and "like cotton wool." Repeat with the other foot. Then one is prepared for the—

Exercises

1. Sit or stand. Raise one foot from the floor and spread the toes, of the foot that is raised, sideways, and back and forth until each toe moves independently of the others. Assist the toes with the hand if they do not take kindly to suggestion.

2. Sit or stand. Pick up marbles with the toes. To do this well, one must use the toes with the same freedom that one moves the fingers. To test one's developing strength progress from small marbles to larger ones.

Exercises While Seated

1. Stretch the feet down—stretching the toes down hard. Bend the feet up—pushing heels forward.

2. Make half circle with each foot—down—in—up. Stretching big toe down.

3. Curl toes. Try to move toes as if grasping a small piece of chalk.

4. Feet parallel on floor—eight inches apart. Toes pointing straight to the front. Keeping heels fixed, twist the feet toward each other with the toes curled under. Press hard on floor while moving feet.

5. Place a tape under the ball of the foot, holding end of tape in each hand.

Pull strongly on tape so as to press ankle forward toward the leg.

This movement increases the flexibility of the foot.

Exercises While Standing

1. Toes in—raise heels, lower slowly

DISEASE REPORTS SHOULD BE PROMPTER

Householders, Physicians Must Tell When Communicable Ailments Break Out

Because public health nurses are unable to enforce quarantine regulations for communicable diseases, the State Board of Health has called on individuals and physicians in the state to cooperate towards making quarantine more nearly universal and effective.

Dr. O. McDaniel of the division of preventable diseases has pointed out to health nurses throughout Minnesota that where there is no attending physician, members of the family are required by law to report their actual or suspected cases. Then, if there is no health officer in the community, the physician who is called in is given the powers of a health officer to enforce quarantine.

All illness in which a skin eruption follows the usual symptoms of communicable disease, such as severe sore throat, backache and the like are declared "suspected cases" under the law and must be reported if the head of the family is not to become legally liable.

Cases have come to the attention of the State Board of Health in which as a competitive measure for local favor some physicians have neglected to report and quarantine communicable diseases. In this way, because of the general public's dislike for quarantine, these physicians have gained an advantage over competitors by illegal means. Dr. McDaniel told public health nurses during a recent conference at the University of Minnesota.

SPRING VACATION DUE IN A WEEK

Between 8,000 and 9,000 students at the University of Minnesota will scatter to their homes in every section of Minnesota next week for the spring vacation that will begin on Friday, March 21.

As that is the day of approximately equal darkness and daylight students call it a fifty-fifty proposition to get a two weeks rest period at the conclusion of winter quarter examinations, with which they will struggle from the 18th to the 21st.

Commencement exercises for the considerable number who will complete college course at the end of the winter quarter have been set for Thursday, March 20.

The spring quarter will commence April 2 and continue until June 17, interrupted only by Good Friday and Memorial Day holidays.

with weight on outer border of feet.

2. Roll on outside edge of foot, curling toes down and in.

Exercises While Walking

1. Square heel and toe—walk a chalk line or crack with heel of one foot touching toe of the other foot at each step.

2. Toe in—walk on tip toes—short step.

3. Walk on outside edge of foot with toes curled down and in.

Exercises While Lying

1. On back, right knee bent, left leg resting on right knee. Foot circling. Point toes downward—inward and upward. Curl toes on upward movement. Alternate right and left foot.

"If you want to keep on your toes, keep after your feet," is the motto that will bring results if followed.

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INTEREST NO ITEM IN "U" SUPPORT

Only Outstanding Obligation Will Be Retired From Funds Already Voted

In contrast with public enterprises financed by bond issues, in which the cost is increased by the interest item over a long period of time, the University of Minnesota is operated without any state appropriation whatever for interest.

After 55 years of operation the University's only debt is one of \$750,000 in certificates of indebtedness, proceeds from which were used to pay for removal of the Northern Pacific tracks from the campus, an operation that added several acres of valuable land to the campus and made it possible to use other large tracts effectively.

This fact was revealed recently by Ray P. Chase, state auditor, who furnished the information on request.

The state pays no interest even on the certificates apart from the institution's regular appropriation, from which this charge must be met, and as the money was borrowed against the last year and a half of the ten-year building appropriation, voted by the 1919 legislature at the rate of \$500,000 a year, retirement of the certificates will take place automatically when that money becomes available.

Only by operation under a strict policy of pay-as-you-go without diversion of money into interest and sinking funds has the University been able to meet the increasing demands for public higher education to as great an extent as it has been able to do.

Final removal of the tracks is now under way and the old railroad bridge across the Mississippi river is being torn down.

Describes Ancient Roman "Day"

William Stearns Davis, professor of history at the University of Minnesota, is engaged in writing a book entitled, "A Day In Old Rome," giving the same kind of a picture of ancient Roman life as is given of ancient Greek life in his similar work on Athens.

Dean Helps Texas Survey

Fred J. Kelly, dean of administration at the University of Minnesota, has been at the University of Texas for ten days assisting in a general survey of that institution, for which the Texas legislature has voted funds. The Texas survey will be com-

GROUND BROKEN FOR BIG STADIUM

Memorial Athletic Field Will Be Ready for Use by October 25 Next

Ground for the University of Minnesota's new athletic stadium was broken with official ceremonies on March 6 and the structure is to be ready for use by Oct. 25, the contractor being liable to pay a penalty of \$2 per seat if the time of completion is later.

The contract, calling for construction at a cost of \$537,762, has been awarded to the James Leck Company, which began work within two days after the papers had been signed.

The company has promised to try to have 15,000 seats completed by Oct. 1 so that the first of the home football games next fall can be played in the stadium. That number of seats will just about accommodate the turnouts at the early games of the season, the overwhelming seat demands coming with the later games for the Big Ten championship.

In addition to the cost of the stadium structure proper, the Athletic Association will pay approximately \$70,000 for construction of the playing field, the locker and dressing rooms, approaches, and other necessary items not included in the central contract. This money comes from the profits of past athletic contests, chiefly those of last fall.

The stadium plans call for a structure capable of seating 50,000 people, built so that additions to hold another 25,000 may be added in the future when need arises.

FRATS. POSTPONE RUSHING SEASON

Freshman students at the University of Minnesota will have a chance to acquaint themselves with college life and to become accustomed to their new surroundings, also to get a firm start in their studies, before they are approached on the subject of fraternities, it has been decided.

By vote of the inter-fraternity council a rule has been adopted deferring all "rushing" and "pledging" of prospective fraternity members until after the close of the first quarter of the freshman's university residence.

"In my opinion, this is the greatest step in advance that has been taken by fraternities in years," was the comment of Dr. W. F. Holman, head of the inter-fraternity council, on the new plan.

"I believe that this system will allow the freshmen to become established at the university before entering fraternities. In this way not alone the students, but the fraternities and the institution as a whole will be benefited."

Representatives of the 29 academic fraternities on the campus voted unanimously for the change.

parable to that made at the University of Minnesota two years ago. Dean Kelly's part will be in the study of higher education, although all Texas educational institutions, including industrial, normal, and agricultural schools, as well as the university, will be studied. Prof. George A. Works of Cornell University, specialist in rural education, has been given general supervision of the survey. President L. D. Coffman also has been asked to take part in the survey.

ACQUIRED TRAITS INHERITED OR NOT?

Viennese Lecturer at University Says "Yes" as Result of Experimentation

Can animals transmit to their offspring characteristics that they have acquired during their lifetime but which they were not born?

Dr. Paul Kammerer of Vienna, whose answer to this much discussed scientific topic is "yes," and who has made many experiments for the sake of proving his claim, recently addressed scientists at the University of Minnesota and told of his discoveries.

He said that toads, which ordinarily lay their eggs on land, begin to lay them in the water and to develop some of the minor aquatic characteristics of the frog if it is made more convenient and comfortable for them to be in the water rather than on dry land. Moreover, these new traits are inherited by generations of frogs following those first subjected to the new environment.

While many experiments similar to those of Dr. Kammerer have been made, the more widely accepted scientific position is that acquired characteristics have not yet been proved inheritable, according to Dr. R. M. Elliott, chairman of the department of psychology at Minnesota.

UNIVERSITY BUYS HISTORIC DAILY

The University of Minnesota library which already contains the finest collection of English seventeenth century newspapers in any American library, has just added a practically complete set of the first daily paper ever printed in Paris, the "Journal de Paris," which was begun Jan. 1, 1777, and continued until the year 1811, when it was merged with other publications.

Both collections cover important revolutionary periods in the world's history, Cromwell's time in England and the years of the French Revolution and Napoleon's ascendancy in France. This makes them of the greatest value as historical source material as well as outstanding early examples of periodical journalism, according to F. K. Walter, Minnesota librarian.

In its original announcement the "Journal de Paris" pledges itself to record, among other things, "the virtuous acts of people of every type." This paper published continuously during the horrors of the French Revolution, except for one brief period, and later "covered" this with a series of issues recording the events day by day of the time when it did not appear.

Mail Courses Go to Institutions

Inmates of the state penitentiary at Stillwater, the reformatory at St. Cloud, and the state school for boys at Red Wing are among the hundreds who have signed up recently for University of Minnesota correspondence instruction according to Prof. W. C. Smiley, who directs the division. A consistent increase in the number of registrations for correspondence study is being maintained over last year. One of the most recent courses to be compiled is that on the theory and practice of football, written and conducted by William H. Spaulding, head football coach at Minnesota. Spaulding plans eventually to develop his correspondence course into a book on football.

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CONSIDER ALTERING STUDENT DRILL RULE

"U" May Offer Choice Between Military and Physical Training

The faculty of the College of Science, Literature, and Arts, University of Minnesota has voted to study plans under which the freshmen students may choose voluntarily between military training and physical education. At present all freshman men are required to take the course in drill. The faculty also has approved a recommendation of the advisory committee that students who choose military training voluntarily be allowed to make courses in that subject a major sequence of study. This recommendation will go to the University Senate for further consideration.

The faculty has voted also that all specialized courses, not primarily cultural, shall lead to the bachelor of science degree, the bachelor of arts to be reserved for students taking studies primarily cultural. In case of military training, a limited number of credits probably not more than six, can be allowed for a military subject if a student wishes to get a B. A. degree.

"The advisory committee is strongly of the opinion that so far as the training for citizenship is concerned, the advantages to be found in military training are also to be derived from physical training, co-operation or team play, self-imposed discipline, exercise and training in observation with quickness and adaptiveness of response" said the report on which the faculty acted favorably.

Major Bernard Lentz, military commandant at the University has expressed views differing from those of the faculty majority and in favor of the retention of compulsory drill for freshmen. A factor in the decision probably will be the interpretation of laws under which at its establishment the University received federal land grants. In the contract then signed it was stipulated that the institution would devote attention to training young men in the military arts.

Vitamins Cure Eye Trouble

If turkeys develop sore eyes, it's probably because they are getting insufficient vitamins, a condition that can be remedied by changing their diet, J. F. McClendon, professor in the Medical School at the University of Minnesota, has found. Turkeys that are getting insufficient green food are susceptible to eye trouble. Generous use of chopped, green alfalfa is an almost sure cure, he says.

Dr. McClendon had been experimenting with eye troubles in rats and their relation to diet when he has asked one day what he thought might be the trouble with a flock of turkeys that were suffering from pronounced eye troubles. He urged the experiment with green alfalfa and the turkeys were cured at once. He has since found similar results in other cases and others have experimented with green foods as a remedy for eye troubles in chickens.

The vitamin contained in the green foods which cured the turkeys is known as the anti-ophthalmic vitamin. Knowledge of its importance is especially helpful during the dry periods of late summer when much of the green growth of the earlier season has been parched.

UNIVERSITY HOLDS SCHOOLMEN'S WEEK

Public School Administrators from All Parts of Minnesota Attend

Three national authorities on education are guests and speakers at the annual Schoolmen's Week and short course for school administrators being held at the University of Minnesota April 14 to 19. They are: Dr. Charles H. Judd, director of the school of Education, University of Chicago; Dr. N. L. Engelhardt, professor of educational administration, Teachers College, Columbia University, and Jesse H. Newton, superintendent of schools at Denver, Col.

Schoolmen's Week is the annual gathering of superintendents of schools and high school principals that the University of Minnesota conducts each spring. Last year more than 700 school administrators attended.

Included in the activities of the week will be the annual dinner of the Knights of the Hickory Stick, the first annual meeting of the newly-formed Minnesota Society for the Study of Education, which was established during Schoolmen's Week a year ago, and several series of important conferences.

High school conferences come on Tuesday afternoon, Tuesday night and Wednesday afternoon. University officials and high school principals confer Wednesday night on matters of educational guidance. The annual meeting of the superintendents and principals section of the Minnesota Education Association is set for Thursday and Friday afternoons.

The short course proper runs from Wednesday morning, April 16, through Saturday, April 19.

Educational problems that are being studied in Minnesota will center the interest of the Minnesota Society for the Study of Education. Men in the field will describe progress and procedure in the subjects they are studying. Principal subjects to be considered will be, "The problems of budget-making for schools in the state," and "The results of ability group classification in the grades."

Professor L. J. Brueckner is secretary and treasurer of the Society for the Study of Education.

Directs National Pharmacy Effort

One of the busiest spots on the University of Minnesota campus these days is the office of Prof. E. L. Newcomb in the College of Pharmacy, who is directing publicity in the national campaign of the American Pharmaceutical Association to raise \$1,000,000 for a national pharmacy headquarters building to be situated in one of the principal American cities. Dean F. J. Wullington and Prof. Gustav Bachman of the College of Pharmacy are members of the national advisory committee. In his work for the association, Prof. Newcomb is in touch directly or indirectly with 92,234 registered pharmacists and 15,996 assistant registered pharmacists, employed in the 52,114 drug stores now known to exist in the United States. The opening gun of the campaign will be fired on April 15. Advance subscriptions amount to about \$100,000.

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MAY GIVE HOSPITAL LIBRARY COURSES

The faculty of the College of Science, Literature, and the Arts at the University of Minnesota has approved the introduction of a course of training for hospital library service. It is believed to be an innovation in educational work allied to medicine. The proposal will go to the University senate for a decision.

Five years of study are included in the course of which the first three would be college work aimed at the definite objective of hospital library service. The fourth year would be taken in an accredited library school elsewhere, Minnesota having none. For a fifth year the student would return to Minnesota to take up the theory and practice of hospital library service under the direction of the medical school and the University Library.

The course outline provides that entrance requirement should be those for the college of liberal arts and the degree of Bachelor of Arts be granted upon completion of the fifth year.

In the first two years students would take 15 credits of freshman English, six of rhetoric, 10 of beginning French, 15 of beginning German, five of introduction to sociology, three of the occurrence of the socially inadequate, three of elementary case work, 10 of modern world history, and 12 of general zoology.

Psychology, both introductory and applied, modern social reform, social statistics, nine quarter credits in electives and five in human physiology would be taken during the third year. Subjects listed as desirable during the library school year are administration and library economy, cataloging, classification, book selection, bibliography, library extension, history of books and libraries, and electives.

The final medical school year would offer elements of preventive medicine, public health methods and practice, health laws and statistics, mental hygiene, development of ethics and social service, principles and practice of medical social service and relation of the worker to the patient.

Dean Kelly Visits Arkansas

F. J. Kelly, dean of administration at the University of Minnesota, is at Fayetteville, Ark., this week directing a series of conferences on methods of improving the teaching work at the University of Arkansas. He went at the special invitation of the administration there. From Fayetteville he will go to Knoxville, Tenn., to take part in meetings of the Tennessee College Association and the Tennessee State Teachers Association.

NEW BOOK COVER GETS COLLECTED

University Librarian Sees Historical and Artistic Values in Jacket

If librarians are not born collectors, they soon acquire prominent bumps of acquisitiveness, and with the aid of these they sometimes begin something new under the sun. The librarian of the University of Minnesota, F. K. Walter, formerly of Haverford College, is an example of this. He has started a collection of book jackets. So far as he knows, it is the only library collection of book jackets in the world.

Why book jackets? In the first place, he believes that they may eventually be an important source of biographical and bibliographical information about minor writers. Most of the book covers of today carry definite information about the writers, and while this is seldom coldly critical, it is Mr. Walter's belief that in time it may be the only data available about some of these men. The theory has an element of caution about it that will commend itself to librarians. Accustomed as they are to the disappearance of books, they easily slip into a suspicion that anything may disappear, even an author.

Present day book jackets with their "blurbs" are taking the place of the advertising pages formerly inserted in the backs of books, a habit long since discontinued because of the rise of material prices. So they become an interesting directory of book prices, as well as a display of the book publisher's artistic craftsmanship in advertising. From the point of view of one concerned with typography and decoration, they also have definite value.

Those who believe that the commercialized criticism of the "blurb" has had its day and will soon vanish will also see a value to literary historians in a collection of book jackets insofar as it throws light on the ethics and methods of publishing houses at the time the jackets were printed.

SCHOOL WORKERS TALK JOB PROBLEM

Representative public school workers from all parts of Minnesota will be guests of University of Minnesota officials the night of April 16 in an effort to establish better means of providing occupational and vocational guidance for students both in high schools and in the university.

This problem is one that has been a center of interest in educational circles for years according to Dean M. E. Haggerty of the college of education. Last year a university committee published a printed report in which the need for broader and more accurate vocational guidance to students was pointed out. As a next step the advice of public school people will be sought at the April gathering.

Views of educators on all vocational topics, including the celebrated "white collar" controversy will be given a thorough airing.

Invitations being mailed from the office of President L. D. Coffman says—"The University of Minnesota is interested in improving the facilities by which its students are now guided in the selection of their future vocations and the courses of training leading thereto. Members of the faculty individually and more recently a committee, have been studying the situation. In many ways the problems

HIGH SCHOOLS FUNDS MUST NOT BE CUT

Minnesota Professor Warns of Effort Throughout Nation to Reduce Support

The number of young people attending high schools in the United States has increased from three in every 1,000 in 1890 to 21 in every 1,000 in 1920, yet in many states multitudes of children of high school age are being denied all opportunity of attending high schools, according to Dr. Fletcher Harper Swift of the College of Education at the University of Minnesota.

"Sinister and sophistical voices, few in number but loud and far-reaching, are endeavoring to persuade the richest nation in the world that it cannot afford to educate its children," he said in a recent paper. "Wherever the battle to reduce school privileges is waged, one of the first citadels to be assaulted is the public high school. Yet there is no more significant institution in our entire educational system, none more deserving of public respect and support, than the American high school.

"Not only must existing high school privileges in the United States not be reduced, but they must be extended until the opportunity of a high school education is placed within the reach of every boy and girl capable of profiting thereby. Yet, unless the antiquated and unsound methods of support employed by the majority of our states be speedily reformed, public education of every type and grade will become more and more defenseless against the attacks of the enemies of public education. It behooves the friends of the public high school to study carefully the methods and policies of support employed by those states whose high schools rank among the first and whose policies of support are superior."

Prof. Swift urged attention to the policies of California and Massachusetts.

Strawn to Speak at University

Silas H. Strawn, prominent Chicago attorney who was one of the first named by President Coolidge to conduct the oil investigation, his name later being withdrawn, has accepted an invitation to be the principal speaker May 3 at the annual banquet of the University of Minnesota Law school. Faculty members, students, and alumni are invited to the dinner, which is open also to all members of the bar. It will be served in the West Hotel. Dean Everett Fraser characterizes him as probably the leading attorney of the Cook County bar. Other speakers who have been asked to address the annual law dinner are Chief Justice Samuel B. Wilson, Governor J. A. O. Preus, Justice Royal A. Stone and President L. D. Coffman of the University of Minnesota. Dean Fraser will be toastmaster.

which confront the university are common problems of all public schools. It is believed, therefore, that profit may be derived from a conference between public school workers and members of the university faculty. It is desired to provide opportunity for a discussion of the ways by which proper occupational and educational information may be provided to students in the high schools and the university, and a better system of educational guidance be thereby inaugurated.

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TEN "U" COLLEGES PLAN SUMMER WORK

Sessions Will Be Conducted June 24-July 31 and Aug. 1-Sept. 5

The University of Minnesota will open ten colleges for its two annual summer sessions June 24 to July 31, and August 1 to September 5, F. J. Kelly, dean of ad-has announced. Registration of between 4,000 and 5,000 students is expected for the combined sessions.

Courses will be offered in the College of Science, Literature, and the Arts, in Physical Education and Athletics, College of Engineering and Architecture, Law School, Medical School, College of Dentistry, School of Chemistry, College of Education, and the School of Business.

Visiting instructors from colleges and universities in many parts of the United States will add breadth to the point of view during the summer sessions and provide a variety of contacts that will be helpful to the students, Dean Kelly declared.

The usual recreative features including music recitals, visiting theatrical companies, lectures and trips to many points of interest will be carried on under the direction of Prof. Irving W. Jones of Beloit, who will return to Minnesota for the third season as associate director in charge of recreation.

During the summer sessions all facilities at University Farm are available to students, including the field plots, orchards, museums, livestock, shops, machinery, and the like. The work offered in agriculture and home economics seeks to meet the needs of graduates of arts colleges, normal schools and to help school teachers and others who must obtain such courses.

All schools will also accept students seeking credit, though they must have met entrance requirement if university credit is to be given them.

REVIEW CONSIDERS CORPORATE ISSUE

"Should the members of a defectively organized corporation be held liable as partners?" is the legal question asked by Charles E. Carpenter, writing in the current number of the Minnesota Law Review, official journal of the Minnesota State Bar Association. The Review is published by the faculty and students of the law school at the University.

Court decisions have been given both ways, some holding that these members should be held liable as partners, others, that they should not. Mr. Carpenter defends the position that there is little justification for holding them liable.

"About half the American decisions refuse to hold the members to unlimited liability on the contract as partners upon the simple and obviously sufficient ground that the associates did not agree to be bound as partners and the party contracting with them did not intend to contract with them as such, and that to do so involved not only a nullification of the contract the parties entered into, but the imposition on the parties of a contract they positively intended not to make," the paper says.

Cases in which stockholders have been held liable as partners have been mostly those in which the incorporation was so imperfect that the normal requisites had not been complied with.

HOME EDUCATION CONFERENCE CALLED

United States Commissioner Will Direct Meetings at University

Education in the home, a problem in which such influences as University extension, libraries and home demonstration workers play a large part, will be the subject of a national conference called by J. J. Tigert, United States commissioner of education, to be held at the University of Minnesota on May 7.

The meetings will take up one day of the National Congress of Mothers and Parent-Teacher associations which is to be conducted in the Twin Cities the week of May 5 to 8. That Congress will join with the American Library Association, National University Extension Association, and the International Kindergarten Union in the meetings on the campus.

Such problems as the instruction of recently arrived immigrants in understanding American customs and principles, the usefulness of branch libraries in promoting home education, and the work of home demonstration agents under the Smith-Lever law will be foremost in the discussions.

President Coffman will deliver an address of welcome and Commissioner Tigert will preside over the sessions.

SLOT MACHINE TEACHERS DECRIED

To be adequate in schools of the present day there must be teachers who are more than slot machines into which the salary is dropped at the end of the month, President Lotus D. Coffman of the University of Minnesota said in a recent address.

New qualities in education carry a message potent in meaning and freighted with responsibility to every teacher, Dr. Coffman said.

"There are those engaged in teaching who simply add one to our number. Fortunately, there are others who have caught something of the meaning of education, who appreciate its significance to the life of the nation, who have acquired a new reverence for childhood, who are imbued with the spirit of the masters of the craft, and who are professional workmen in a professional field."

He enumerated five new qualities that have been making themselves felt in education during the past 20 years. These are, he said: The universality of the appeal of education, shown by increasing numbers; the fact that it has become society's greatest protective agency, especially in the field of health; the influence of modern psychology; the great increase in the variety of studies offered to students, and the improvements accomplished in the technique of teaching.

"Schools have been democratized," he said, "more attention has been given to the humanizing of knowledge, to the personalizing of materials, and to the protective character of the schools."

Five-Year Reunions Coming

Following the five-year principle, University of Minnesota classes of five, ten, fifteen years ago, and so on, will hold reunions on the campus during commencement in June. Preparations have already been begun by some classes, notably the class of 1909, which will have its fifteenth reunion. E. B. Pierce, alumni secretary, has announced. The earliest class to have a reunion in 1924 will be that of 1879, while the most recent will be the 1910 class. The reunions will take place on June 17.

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105 Publications Bldg.,
University of Minnesota, Minneapolis, Minn.

WRITER ATTACKS "WEARY" STUDENTS

Says Instructor Must Not Be Blamed If Classes Are Often Dull

Charging that some students who attend classes are "so dead, dull, dreary and weary that they are almost defunct," a student editorial writer in the Minnesota Daily, student publication at the University, declares that the professor who wears a long face needn't be blamed for his demeanor.

"Professors should be honored as martyrs for even attempting to lecture to some classes," the editorial says. "The students are as inspiring as a peanut, as eager as a piece of clay. What professor can be blamed for lengthening his countenance before lecturing to a group of mourners? The wonder is, from one point of view, that more of them do not wear gray gloves and black neckties."

The undergraduate says goes on to advise students to smile at the instructor's jokes, even if they are ancient, and grin a little broader at "professional irony." This procedure, he predicts, would cause the instructor to "burst into a bloom of life. His personality would be stimulated."

Stadium Goes Up Swiftly

Work on the University of Minnesota stadium has been under way for more than a month and the contractors expect to have it finished by Oct. 1, so that all home football games can be played on the new field. The contract calls for its completion not later than Oct. 25, a week before the Minnesota-Michigan game, at which the Memorial Stadium will be dedicated to the Minnesota students who have lost their lives fighting for their country.

Major Griffith Will Speak

John L. Griffith, intercollegiate athletic adviser of the Western Conference universities, will be the convocation speaker at the University of Minnesota on Thursday, May 1. Major Griffith is now serving his third year as the "Judge Landis of the Big Ten." His work is especially that of rooting out all professionalism, unfair methods of competition and hard feelings between universities in the conference. Athletic directors have united in saying that his endeavor has been successful.

SUP'T TOLD HOW TO TREAT HIS BOARD

Ten Commandments Presented by Head of Worthington Schools

"Ten commandments for superintendents of schools and boards of education" were given by C. A. Patchin, superintendent at Worthington during the meeting on the University of Minnesota campus of the superintendents' section of the Minnesota Education Association last week. They are offered here as matter of interest to all parents of school children and all tax payers whose money helps to support public schools. Mr. Patchin's commandments were:

The superintendent should always be frank and honest, concise and complete in his reports to the board of education. The internal machinery of the operation of the school should be in the hands of the superintendent.

Curriculum, textbooks, and school supplies should be the duty of the superintendent. Purely business matters, such as purchasing of fuel, decisions as to "new" or the remodeling of old buildings should be chiefly the business of the board of education.

The superintendents should be held responsible for the employment of teachers.

While records of the action of the board of education may be open to the public, the way in which a member votes, or any remarks made by a member of the board of education or the superintendent should never be repeated outside of the board meetings.

The superintendent should be the confidential adviser of the board of education.

Important school matters should be presented by the superintendent to the board of education as a whole, not in a semi-private way to individual members.

In general, the business relations of the board of education and the superintendent should be similar to those that the foreman of a large factory has towards the officers of a company.

Harmony and co-operation of superintendent and board of education are absolutely necessary for the success of the school.

ENGINEER HONORS FOR WINTER ISSUED

Of 34 students in the College of Engineering and Architecture of the University of Minnesota who received no grade lower than "B" during the winter quarter, 21 were from high schools outside the Twin Cities, it is shown in a report by Dean O. M. Leland. Robert F. Edgar, a graduate of Minneapolis Central, got the best rating, all his marks being "A."

Students cited in the dean's report are the following: Joseph Wald, SALTER, IA.; Arthur C. Heath, BUFFALO; Roland W. Holmes, FERTILE; Anthony D. Martino, DULUTH DENFIELD; Lewis E. Peterson, HASTINGS; Emil F. Steiwert, RED LAKE FALLS; August L. Untinen and John A. Banovetz, both of ELY; Frank E. Nichol, HENDRUM; Charles R. Blodgett, MARSHALLTOWN, IA.; George Langford, JOLIET, ILL.; Harley T. Langman, FAIRMONT; George A. Rathburn, AITKIN; Ira B. Garthus, INDEPENDENCE; Gisle E. Husegy, NEW RICHLAND; John G. Lewis and Torarin E. Lobeck, ALEXANDRIA; Clarence V. Velz, SHAKOPEE; Henry M. Bullar, VILLARD; Harold E. Rollin, DULUTH DENFIELD; Nathaniel W. Koeneman, CASS LAKE.

BAND CHAMPIONS GET SCHOLARSHIPS

Loss of Time and Cost of Uniforms Partly Made Up

Scholarships for excellence as musicians in the University band were awarded to 37 students last week, partly as a reward for proficiency and partly to compensate for the fact that students must buy their own band uniforms. Musical accomplishment rather than need was the basis of the award, however, in every case.

Scholarships of \$50 were awarded to Bernard Heinzen, MADISON; Herbert Liese, MARBLE; Floyd Nielsen, Minneapolis; LeRoy Wolff, SISSETON, S. D.; Norris Katzoff, CEDAR RAPIDS; James McCully, ASHLAND, WIS.; and Robert Swanson, DULUTH.

Scholarships of \$35 each went to Charles Sweet, WELLS; C. K. Lush, MANKATO; Hobart Yates and Lester W. Robson, both of ALBERT LEA; Otto Ringle and Wilbur Yaeger, both of SANBORN; E. A. McPherson and Oscar Olson, both of WALKER; Abbot Wolf, MASON CITY, IA.; Joe Lushene, EVELTKE; Harold Raunstad, BATTLE LAKE; Lester Robson, HERON LAKE; Bernard Uhlir, ST. PAUL, and to the following from Minneapolis: Harry Hillstrom, Ingolf Kvale, Paul Oberg, B. J. Fowler, Kenneth Jorgenson, Russell Lembke, Roscoe Furber, Julian Carzon, Clarence Thyberg, Laurence Zeleny. Two scholarships of \$15 were awarded to freshman students, Barret Rogers and George Townsend, both of Minneapolis.

The band of 100 pieces, directed by Captain Michael M. Jalma, who conducted the Gopher Gummies band during the World War, is one of the most popular student organizations on the campus. According to President Coffman so many demands are made on the time of band members by those who want it to take part in varying functions that definite limitation on the type of activity at which it can play may have to be established.

26 SCHOLARSHIPS OFFERED TO WOMEN

Women students at the University of Minnesota will be awarded 26 scholarships ranging in value from \$100 to \$150 and totaling in the aggregate \$3,075, Anne Dudley Blitz, dean of women, has announced. Applications for the scholarships must be in by May 1. Students who apply must have letters of recommendation from at least two members of the faculty.

The scholarships are offered annually by the following: Mrs. Elbert L. Carpenter, \$100; Mrs. George Chase Christian, \$100; Nina Morais Cohen, \$125; Mrs. George P. Douglas, \$100; George H. Partridge, five of \$100 each; P. E. O., \$100; College Womens Club of Minneapolis, four of \$150; College Womens Club of St. Paul, five of \$150; arts and letters section, Women's Club of Minneapolis; Women's Self Government Association, four of \$100.

The Women's Self Government Association is an organization of women students at the university.

For their studies in the treatment of ores mining students at Minnesota have received a gift of three tons of typical copper ore in the shape in which it goes to the concentrators. Two tons were given by the Anaconda Copper Co. of Butte and one ton by the Chief Consolidated Mining Co. of Eureka, Utah.

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MUNICIPAL LEAGUE PLANS CONVENTION

Representatives of Over 175 Communities to Be in Detroit June 17-21

More than 175 Minnesota communities will send representatives to the annual convention of the League of Minnesota Municipalities to be held in Detroit, Minn., on June 19, 20, and 21.

Home rule in Minnesota will be a principal topic at the meeting. It will be discussed at a luncheon on the first day with Mayor Arthur E. Nelson of St. Paul and Professor William Anderson, University of Minnesota, as principal speakers. The historical background of Minnesota communities will be another leading topic. Representatives of the Minnesota Historical Society will attend and that subject will be uppermost in the second day's luncheon.

Will Visit Reservation

Addresses on "State Administration" by Prof. Morris B. Lambie of the university, on "Gasoline Tax and Other Proposed Legislation Affecting Highways" by Charles M. Babcock, and on "The League in Retrospect and Opportunities for the Future" by Dr. R. R. Price, director of the General Extension Division" will make up the program on Saturday morning, the last day of the convention.

A pow wow on the Indian reservation at White Earth has been arranged to entertain delegates Saturday afternoon.

Other items in the program include the following: Thursday morning—Report of the committee on taxation, Charles F. Keyes, Minneapolis; gross earnings, C. E. Campton, Two Harbors; municipal indebtedness, George M. Link, board of estimate and taxation, Minneapolis. Thursday afternoon—Committee on health, Dr. O. E. Locken, Crookston; committee on garbage and refuse disposal, Dr. W. F. Bleifuss, Rochester; committee on swimming pool sanitation, Ole Forsberg, Hibbing; committee on sewage and sanitation, G. M. Shephard, St. Paul.

Mayor Will Welcome Delegates

Mayor R. J. Lindberg of Detroit will welcome the delegates at a dinner served Thursday night. Carl H. Schuster of Biwabik, president of the league, will respond.

Committee reports to be made Friday will be as follows: Parks and tourist camps, Dr. C. C. Leck, Austin; Isle Royale and the St. Croix Valley, A. F. Benson, Virginia; city plan, George Herold, St. Paul; judicial decisions, W. K. Montague, Virginia; municipal ownership, Mayor J. J. Reiter, Rochester; discussion of smaller problems of the municipalities.

Delegates will hear a discussion of the park and tourist camp problem by Eugene T. Lies, representative of the Playground and Recreation League of America following the report of the league's committee on that topic.

University Will Entertain Mothers

Invitations sent from the office of President L. D. Coffman of the University of Minnesota have asked the mother of every student in the institution to attend and take part in the special Mothers Day exercises that will be conducted in all colleges on Saturday, May 10. It will be Mothers Day in every sense with classrooms thrown open to the visits of mothers, guides on hand to show the mothers every place of interest that they may fancy seeing, open house for mothers in three campus buildings during the afternoon, and at night a dinner for the mothers.

STUDENT'S ELECT GOVERNING BOARDS

Many Parts of Minnesota Represented in Selections by Ballot

All parts of Minnesota won representation on the three boards directing student activities in the annual elections conducted last week. In all 28 students were elected to office, 14 on the All-University Council, seven on the Board of Governors of the Minnesota Union, and seven on the Board of Student Publications.

Those elected were the following: Union Board of Governors, Thomas Saxe, Minneapolis; Ernest L. Meland, PELICAN RAPIDS; Thomas D. Armstrong, St. Paul; Fred J. Sackett, Minneapolis; Elliott H. Griffith, Minneapolis; Henry A. Gustafson, CHAMPION, Mich.; Harlow G. Lundquist, NEW LONDON.

Board of Student Publications—Lloyd Nelson, COTTONWOOD; Maurice A. Low, president, Minneapolis; Charles K. Morris, Minneapolis; Mary Staples, Minneapolis; Elbridge P. Bragdon, WHITE BEAR; Ralph A. Rotnem, MABEL; Clyde K. Lighter, Minneapolis.

All-University Student Council—Clarence N. Pearson, Minneapolis; Jean McMillan, FOREST LAKE; Lloyd L. Vye, St. Paul; Laura Gerber, St. Paul; John D. Keyes, WINONA; James L. Monahan, Minneapolis; Levi Osterhus, ROBBINSDALE; Frederick A. Heiberg, Minneapolis; Hjalmar Weberg, Minneapolis; Loren Shiry, Minneapolis; Will Reed, CANTON; Dorothy Kurtzman, Minneapolis; Bernard Larpentur, Minneapolis.

The Board of Student Publications governs The Minnesota Daily, student newspaper, The Ski-U-Mah, student magazine, and The Gopher, student annual published by members of the junior class. Other members of the board are Edward E. Nicholson, dean of student affairs, R. R. Barlow, head of the department of Journalism, and President L. D. Coffman or his representative.

The All-University Council is the principal agency for student participation in government of the institution. The Board of Union Governors directs the affairs of The Minnesota Union, which is a social center for men students.

RECENT ENTRANTS GIVE TO STADIUM

Approximately 4,000 students who have entered the University of Minnesota since the original stadium and auditorium campaign was conducted a year ago were given a chance to subscribe to the fund during the week of May 5. The new students include the freshmen class and those who have transferred to Minnesota from other institutions for advanced work.

Major John L. Griffith, commissioner of intercollegiate athletics for the Western Conference, was the principal speaker at an opening convocation for the drive on May 1.

Last year the campaigns among students, faculty, alumni and friends of the University of Minnesota brought pledges of more than \$1,600,000 and efforts will now be made to raise the difference between that sum and \$2,000,000. Part of this difference will be sought from alumni outside the state of Minnesota, who to date have given less than one sixteenth of the total amount subscribed.

Enough of the money that has been pledged has been paid in to make it possible to go ahead with construction work on the stadium.

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University of Minnesota, Minneapolis, Minn.

ANNOUNCE 2 WEEKS COURSE FOR DOCTORS

Physicians and surgeons from several hundred Minnesota communities will gather on the University of Minnesota campus May 26 for a two weeks intensive short course in medicine and surgery offered by the General Extension Division in co-operation with the School of Medicine. More than 100 replies have been received since notices were first sent to doctors less than a week ago.

A departure will be made this year in the division of the month's short course formerly conducted, into two parts. Two weeks in May and June will be devoted to clinics and lectures in medicine and surgery, then in the autumn a second course of two weeks will be offered in obstetrics and pediatrics according to Dr. R. R. Price, the director of the division.

Both courses will be set at times that will conflict least with the use of laboratories by full-time students in the Medical School, and in this way physicians from the state will have better facilities for carrying on their work.

The purpose of these courses is to help the physician to keep his knowledge up to date and to acquaint him with recent progress and new procedures. This will be accomplished through clinical classes, and the physicians will be brought constantly into contact with patients in the hospitals of Minneapolis and St. Paul. Special attention will be paid to therapy. The course will continue until June 7. The registration fee is \$25.

Hospitals in which the clinical facilities will be used are the University, Minneapolis General, and the Ancker hospital in St. Paul. There will also be classes at the University Institute of Anatomy and in Millard hall, the headquarters building of the Medical School.

MAIL STUDY FILLS BIG PUBLIC NEED

If the public could get over the idea that university instruction by correspondence is too highbrow for the average man, numbers enrolled in extension courses by mail would be doubled or trebled in a short time, according to W. S. Bittner of Indianapolis, Ind., who spoke at the National Conference on Home Education at the University of Minnesota May 7.

He called "teaching by mail" the best known device of university extension.

"It is almost literally true that almost anyone who can read and write may study by mail under a university instructor," Mr. Bittner said.

"U" TO POLISH UP POLITICAL IDEAS

Government Institute Will Be Held on Campus June 23-27

Residents of Minnesota who wish to polish up their acquaintance with problems in government and politics will be given the combined attention of the department of political science and the General Extension Division of the University of Minnesota June 23 to 27 when a conference will be conducted on state administration, American government, parties, and party issues.

The conference will be planned to interest all students of public affairs, but will make a special appeal to men and women who are too busy from day to day to permit a close following of political matters.

Two sessions will be held each afternoon and one each evening. Following lectures on the various problems will come round table conferences for free discussion. Instructors will be available for appointments or to answer questions throughout the time of the conferences. Ample library and reference facilities will be provided.

Those who will conduct the three major group meetings will be as follows: American government, Professor C. D. Allin and Assistant Professor Harold S. Quigley, department of political science; political parties and party issues, Professor Victor J. West, Leland Stanford University, and Assistant Professor John M. Gaus, department of political science; government of the state of Minnesota, Associate Professor William Anderson and Assistant Professor Morris B. Lambie of the department of political science, University of Minnesota.

The fact that the conferences will take place at about the time of the national party conventions for the nomination of presidential candidates will add especial value an dinteres to them according to Professor Lambie, who is in charge of arrangements for the Municipal Reference Bureau of the Extension Division.

STUDENTS REVIVE CIRCUS TRADITION

An old-time tradition at the University of Minnesota, the annual student circus, will be revived this year for the first time since 1913. The circus performances will be on the nights of May 16 and 17 in the university armory.

Search for performers and workers in the circus has brought to light interesting facts concerning the summer occupations of self-supporting students. Between six and ten students at Minnesota earn their way by acting as "barkers" and megaphone maulers during the summer with chautauquas and traveling shows. There are several Minnesota students who can do aerial and tumbling work of professional caliber. One coach is a skater who has appeared before thousands and has also been a performer in living statues.

The student body also includes a number of professional ticket takers and at least one strong-man of professional caliber. These will be among the "artists" and workers when the circus performances come off.

Profits from the circus will be used to pay for some permanent improvement as a memorial. Profits this year will probably go for a new campus flagstaff. There are on the campus at present a number of memorial gifts that were financed from the proceeds of former circuses. The senior class has assumed direction of the show through a committee headed by Mark Severance of the law school.

URGES ENLARGING CHANCE TO LEARN

U. S. Education Commissioner Says 5,000,000 in Country Can't Read

There are in the United States approximately 85,000,000 people over 10 years of age. Nearly 5,000,000 of them can neither read nor write. Nearly 78,000,000 can read in the English language or in their native tongues. The number of men and women attending high school and college increases every year, but there are still thousands who leave school before reaching the high school, J. J. Tigert, United States commissioner of education, told delegates to the Home Education Conference at the University of Minnesota.

In hundreds of communities there are no public libraries, no school libraries, and few books in the homes. In many communities in which libraries are established the people have not developed the reading habit. In every community considerable numbers do not read even a daily paper. For them, the only information is what is obtained from contact with neighbors; the news is confined to the gossip which is passed from door to door. For them, the world of books which would furnish a glimpse of great issues, great ideals and purposes, is unknown.

These people are not confined to one state nor one section of the United States. If we do not provide means by which such people may enrich their lives and then bring these opportunities to their attention, they suffer an inestimable loss and their children also must suffer. The community, the state, and the nation are affected by the lack of enlightenment and breadth of vision.

OUTLINES ORDER OF METALS IN VEIN

A person who was so fortunate as to find a complete mineral vein from which nothing had been cut off at the top by erosion, would discover mercury first among the metals as he dug down from top to bottom. The last metal he would strike would be tin according to an arrangement of the primary downward changes in ore deposits reported to the American Association of Mining and Metallurgical engineers by Dr. W. H. Emmons, head of the department of geology at the University of Minnesota.

Dr. Emmons bases his theory of the location of metals on their solubility in the hot water in which they originally gushed from the earth in solution, following faults in the rock to the surface. The least soluble metal, tin, would be deposited first and would be found at the bottom of the vein. Mercury, remaining longest in solution, would be found at the top.

Sixteen steps are listed in the Emmons vein from top to bottom as follows: Barren, mercury, antimony, gold, silver, barren, silver, lead, zinc, copper, copper, gold, bismuth, arsenic tungsten, tin, barren.

The series outward from the batholith or mass of intrusive rock from which the metals were originally derived is in the reverse of the order of the series downward. This is because the batholith comes to a peak, then slopes away, making the veins at some distance from the center longer from top to bottom with the result that they reach metals higher in the scale than can the short veins.

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STUDENT HONOR LISTS ANNOUNCED

Many From State Win Election on Basis of Studentship

Student honors and elections to honorary societies on the basis of scholarship were announced at the University of Minnesota last week, on Cap and Gown Day, May 15. The names of students from outside the twin cities who received honors follow:

Phi Beta Kappa, academic honorary fraternity.
Stillwater, Gratia Torinus.
Sioux Falls, S. D., Ruth Bacht.
Boardman, Wis., Marjorie Davis.
Sherburne, Charlotte Farish.
Duluth, Evelyn Fix.
Dickinson, N. D., Ruth Maser, Otis Lee.

Glenwood, Honora McLachlan.
Lakeland, Paul Millington.
Two Harbors, Harold Rock.
Mankato, Herman Wiercking.
Jamestown, N. D., Reefa Tordoff.
Sigma Xi, honorary scientific society.

Prize for undergraduate research, John H. Nelmark, Chisholm.
Owatonna, George Steinbauer, Glen W. Tuttle.

Foley, Oscar B. Bergman.
Janesville, Wis., Helen Hart.
Rochester, James W. Kernohan.
Mankato, Paul M. Paulson.
Phi Lambda Epsilon, honorary chemistry fraternity.

Lakeland, P. E. Millington.
Sioux Falls, J. B. McKee.
Phi Lambda Epsilon prize, to highest ranking sophomore in chemistry, K. A. Kobe, Osakis.

Pi Lambda Theta, honorary society in education:
Fargo, N. D., Dorothy Bacher.
Boardman, Wis., Marjorie Davis.
Dickinson, N. D., Ruth Maser.
Excelsior, Alice E. Plehal.

Glenwood, Honora McLachlan.
Litchfield, Lucille Horton.
Stillwater, Gratia Torinus.
Columbus, N. D., Alice Swenson.
Lakeland Alpha Psi, honorary society in the languages:
Bismarck, N. D., Bertha M. Bertsch.
Cannon Falls, Edward Everett.
Wadena, Leland Sonnichsen.
Vermillion, S. D., Katherine Matson.

Silver Lake, Esther Jerabek.
Chi Epsilon, honorary society in civil engineering:
Ely, Waino M. Somero.
Duluth, Walter E. Wilson.
Shakopee, Clarence J. Velz.

Evan A. Evans prize, in law:
James L. Hetland, Ada, Minn.
Order of the Coif, honorary society in law:
Ada, James L. Hetland.
Brainerd, Frank Hanit.

Tau Sigma Delta, honorary society in architecture.
St. Cloud, Glanville Smith.
Rochester, Peter Bross.
Mantorville, L. A. Tvedt.

Delta Phi Lambda, honorary society for creative writers:
Kalispell, Mont., Katherine Foote, Isabel Foote.
Austin, Ruth Leck.

Eta Kappa Nu, honorary society in electrical engineering.
Independence, Wis., Ira B. Garthus.
Albert Lea, Frederick R. Kapple.
Alexandria, John G. Lewis.
Aberdeen, S. D., Leonard E. J. Mabbott.

Mapleton, Frazer A. McGregor.
Brainerd, Charles T. Skarolid.

Duluth May Have Junior High

Duluth is more than likely to establish a municipal junior college in the near future if it can see its way clear to finance such an additional expenditure for education. Royal R. Shumway, dean of students work in the junior college of the University of Minnesota reported on his return from a trip to northern Minnesota. Duluth has a committee at work on junior college plans and a general sentiment in favor of establishing one is evident, Dean Shumway said. He visited also on the range and met a delegation of junior college representatives from Ely, Coleraine, Eveleth, Virginia, and Hibbing, all of which have junior colleges that carry the high school graduate through first and second year college work.

Omega Eta Nu, honorary society in dentistry:

Duluth, Edwin J. Chaik.
Tau Beta Pi, honorary society in engineering:

Buffalo, Joseph A. Anderson.
Winthrop, Curtis Eckberg.
Independence, Wis., Ira B. Garthus.
Alexandria, John G. Lewis.
Aberdeen, S. D., Leonard E. J. Mabbott.

Chisholm, John G. Nelmark.
Owatonna, Mark Nelson.
Ely, Waino M. Somero.
Mantorville, L. A. Tvedt.
Shakopee, Clarence J. Velz.
Vernon Center, Laurence C. Warren.

Beta Gamma Sigma, honorary society, School of Commerce:

Waubay, S. D., Eldon S. Bosland.
Two Harbors, Oscar L. Anderson.
Maiden Rock, Wis., Glen M. Harold.

Owatonna, Grant Woolver.
New London, Harlow E. G. Lundquist.

Red Wing, Richard G. Bracher.
Pi Tau Sigma, honorary society in mechanical engineering:

Buffalo, Joseph T. Anderson.
Marshalltown, Iowa, Charles R. Blodgett.

Albert Lea, Lloyd Grobel.
Fairmont, Harley R. Langman.
Owatonna, Stanley B. Tuttle.
Minn. State Pharmaceutical Scholarship Prize (\$105):
Maple Lake, Ralph Elsenpeter.
Frank H. Peavey debate prize (won by freshman team):

Fergus Falls, Thomas B. Roberts.
Duluth, Edgar P. Willcutts and Lee C. Deighton.

Alpha Omega Alpha, senior medical honorary society:
Mapleton, Charles B. Bomberger.
St. Peter, Ernest J. Colberg.
Northfield, Neil S. Dungan.

Blue Earth, J. Wendell Gullikson.
Lawrence, Kan., Noble P. Sherwood.

Bemidji, Edwin J. Simmons.
Taylor's Falls, George M. Tangen.
Little Falls, Hulda E. Thelander.
Pomona, Cal., Evelyn Welch.

Gamma Sigma Delta, honorary society in agriculture:
Norway, A. P. Lunden.
Janesville, Wis., Helen Hart.
Odin, Conrad Hammar.

Halstad, George Sulerud.
Crosby, Iver Nygard.
Wolverton, Theodore Sundstrom.
Clarkfield, Hjalmar Anderson.
Stillwater, Sherman Johnson.

Elgin, Frank Svoboda.
Iota Sigma Pi, honorary society of women in chemistry:
Cokato, Pearl Swanson.
Spring Valley, Elsie Kilburn.

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105 Publications Bldg.,
University of Minnesota, Minneapolis, Minn.

ARCHITECTURE TEN YEARS OLD AT MINN.

The department of architecture at the University of Minnesota will celebrate the tenth anniversary of its founding on Saturday, May 21, when Cass Gilbert, architect of the Minnesota Capitol and the greater campus plan will be honored at an anniversary dinner, F. M. Mann, head of the department, who established it in 1913, is making the arrangements. The first class of Minnesota architects was graduated 10 years ago this spring.

Friday, May 23, will be the day of the annual architects jubilee, which they will continue through Saturday this year in honor of the anniversary, winding up with the dinner that night.

In ten years architecture has grown from a department with 50 students to an enrollment of 150, and from a single teacher to a faculty of 10 members under Prof. Mann. When architecture was established here, the nearest collegiate school of architecture was at the University of Illinois, and the next that at Washington University, St. Louis, Mo. The latter also was established by Prof. Mann.

The study of architecture is now of independent rank at Minnesota, incorporated in the College of Engineering and Architecture under Dean O. M. Leland. Minnesota is one of the 17 colleges and universities in the United States having colleges of architecture that are recognized by the American Institute of Architects.

WANT A REPORTER?

Several live young men and women reporters, with practical experience in doing assignments for newspapers, are available at the University of Minnesota for editors of the state who may want help during the summer, according to R. R. Barlow, in charge of the department of journalism. A number of other students who will be graduated in June may be available, although most of them have definite positions already.

MOTHERS OF STATE PRAISE "U" AS HOST

First University Mothers Day Attended by Nearly 1500; 1100 at Dinner

More than 1,000 letters praising the establishment of a University Mothers Day were received last week by President Coffman and Anne Dudley Blitz, dean of women. Replies to the invitation, which was sent to every student's mother, were received from spots as widely separated as Winnipeg, Seattle, Chicago, Kansas City, Omaha, and Bismarck, N. D.

In all there were about 1,500 mothers of students on the campus during the morning, attending classes and accompanying their sons and daughters in the routine of college life. The mothers were entertained during the afternoon. Guides were provided in all buildings and tea was served at various places about the campus. At night approximately 1,100 mothers were guests at a dinner in the ballroom of the Minnesota Union. Several of the visitors spoke briefly, as did the president and the dean of women.

Mothers Day on the campus outdid expectations, and there is every reason to believe that it will be continued as an annual custom, according to President Coffman.

The President's Invitation

In his letter of invitation to the mothers of students, the president said: "I am anxious that the university may fittingly celebrate the beautiful sacrifice and service of motherhood. I am anxious also that mothers and university officials may counsel together on how the work of character building, which is nearest the hearts both of the mothers and of our faculty members, may be most effectively done at the University. I realize that no matter how successful the instruction may be in imparting information, the period of college attendance is worse than lost if your sons and daughters do not grow in strength of character, in public spiritedness and in idealism while here.

"Living conditions of students are of paramount importance. A proper understanding of and sympathy with this problem can be gained only by a visit to the university home of your son or daughter. Only with such an understanding can you maintain the strong influence you hope to exert over the lives of your children while they are attending the university.

"No task is greater nor more sacred than the intellectual development and character training of generation after generation of the youth of the state. In this task the interest of the mothers and the interest of the University are mutual. We ask your hearty co-operation, and we wish to assure you in turn of our deep concern in the welfare of each young man and young woman entrusted to the University's care."

R.O.T.C. UNIT SEEKS NATIONAL RATING

For the first time in several years officers from the general staff, United States Army, last week inspected the R.O.T.C. basic and advanced battalions at the University of Minnesota. On the outcome of this test will depend the rating of the school, which Major Bernard Lentz, commandant is eager to see in the distinguished group.

Following the formal inspection, parade and the like on the University campus, conducted Thursday afternoon, the cadet battalions were taken to Fort Snelling on Friday, May 16, where a field

MANY STUDENTS WIN HONOR VALUE MARKS

Dean Johnston Gives Out List of Highest Freshmen and Sophomores

Besides the announcement of election to honorary societies on Cap and Gown Day, it is customary to announce the names of freshmen and sophomores at the University of Minnesota who have maintained through two quarters the standard of work that would entitle them to graduation with honors, should it be continued. The list announced this year by Dean J. B. Johnston of the College of Science, Literature, and the Arts is as follows: (Outside the twin cities):

Freshmen—Marian G. Bailey, DULUTH; Grace M. Carlson, DASSEL; Mildred Cornwall, SPRING VALLEY; Lec Deighton, DULUTH; Helen K. Fink, NEW LONDON; Helen Foot, Kalispell, MONT.; John R. Frazee, DULUTH; Svanheld C. Friswold, COOPERSTOWN, N. D.; Edith Graveson, ASKOV, MINN.; Borghild S. Gunstad, DETROIT, MINN.; Ernest O. Hanseu, FRANKLIN; Agnes Hilden, WATSON; Arnold H. Hilden, RED WING; Jean Hitchcock, HIBBING; Mary E. Hotaling, MAPLETON; Agnes V. Johnson, MONTEVIDEO; Ronald F. Lee, DICKINSON, N. D.; Helen Lynch, LE SUEUR CENTER; Leila Magnusson, CHISHOLM; Inez Melander, DULUTH; Alice Mengelkoch, ROBBINSDALE; Norman L. Meyers, DULUTH; Alice C. Nelson, LAKE PARK; Elmore H. Northey, OSCEOLA, WIS.; Sarah Ootthoudt, EDEN PRAIRIE; Merle V. Petrie, PARK RAPIDS; Thomas B. Roberts, FERGUS FALLS; Ethel G. Skause, MILLACA; Herbert N. Starr, OUGUM; Lucille B. Sundberg; Conrad G. Taeyber, TRIPP, S. D.; Louis E. Torinus, STILLWATER; Jean Trembley, COLUMBIA CITY, IND.

Sophomores—Ingvald Alm, TWO HARBORS; Marion L. Basset, FORT DODGE, IA.; Luther Becklund, BOCK; Arnold B. Berg, DULUTH; John B. Beuning, FREEPORT; Helen B. Caine, ANOKA; Harold Carter, WADENA; Joseph Christopherson, DEVILS LAKE, N. D.; Dean Collins, CALEDONIA; Harriet Cross, WAUWATOSA, WIS.; Elizabeth Dixon, CLOQUET; Isabel Foot, KALISPPELL; MONT.; Lewis Hanson, BRUCELYN; Lulu Hanson, LUVERNE; Harold Evan Heath, BUFFALO; Dudley Holland, DULUTH; Doris C. Jacobs, PELICAN RAPIDS; Paul Arnold Johnson, GLENWOOD, WIS.; Lester Larson, WAUKON, IA.; Hedwig Lund, STILLWATER; Walter Lundgren, DULUTH; Elizabeth Martin, LUVERNE; Russell A. Norman, CLOQUET; Peter L. Slagsvold, LOTIN, NORWAY; Terrence J. Slattery, GREAT FALLS, MONT.; Vernon E. Smith, GRANITE FALLS, MINN.; Gertrude Tallman, WILLMAR; Theodore Purinton, DE SMOT, S. D.

problem was worked out on the grounds of the big government reservation. Lieutenant Colonel Herman Glade and Major Walton Goodwin were the inspecting officers.

During the inspection the Hearst trophy offered the team of university riflemen scoring the highest standing in a national competition, which was won by the Minnesota team, was presented by Major Edward McCloskey, who was sent to Minneapolis from headquarters of the Sixth Corps Area in Chicago. The members of the winning team are: H. Stassen, H. Halvorsen, R. M. Beebe, E. Swanson, J. B. Buening and K. H. Langguth.

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PRESIDENT WILL STUDY PRESS NEEDS

Settlement of Minneapolis Publisher's Estate Lays Foundation For Journalism

Regents of the University of Minnesota at their May meeting empowered President L. D. Coffman to proceed with an investigation of the needs for expanding the courses in Journalism, for which an endowment fund of \$350,000 has been received from the estate of William J. Murphy, former publisher of the Minneapolis Tribune. The Regents' action is in line with policies announced when the gift was received. President Coffman then said that both the needs of Minnesota for training in Journalism and the accomplishments of departments in other institutions would be studied.

Income from the fund will not be available for a few months as the cash has just been received and invested. The one decision the university has made relative to use of the money is that no building will be erected now as that would leave too small a sum to support the studies.

Provisions in the Murphy Will

In the will of William J. Murphy the bequest to the University was made without conditions, but with the following requests:

"That the said University shall at all times keep the property so transferred to it, in whatever form it may then exist, as a separate fund to be known as the 'W. J. Murphy Fund for School of Journalism,' and (2) that the said University shall at all times conserve the principal of said endowment fund in such a manner as will make it productive in the greatest degree consistent with businesslike safety of investment, and (3) that said University shall at all times be free to invest and reinvest, by sale, exchange, or otherwise, any property belonging to said endowment fund, and (4) that said University shall use the net interest, income, revenue, and proceeds of said property for the establishing and maintaining, as one of the courses of instruction at said University, of a course of instruction in journalism, and (5) that to the extent that at any time the principal of said endowment fund may so permit and at the same time leave sufficient thereof to insure annual income adequate to the maintenance of said course of instruction in journalism, the said University shall, if it sees fit to do so, use out of said principal the necessary funds for the construction and equipment of a building or buildings for the providing of better facilities for maintaining said course of instruction in journalism."

President to Speak At Illinois

President L. D. Coffman of the University of Minnesota will deliver the commencement address at the University of Illinois, Urbana, on June 9. On June 3 he was the commencement speaker at the University of West Virginia, Morgantown, and on June 6 he was toastmaster at a dinner commemorating the 25th anniversary of the Illinois State Teachers College at Charleston, Ill. Dr. Coffman was a member of the Charleston faculty before coming to Minnesota, as was also Dr. J. C. Brown, president of the State Teachers College at St. Cloud, Minn. Dr. Coffman delivered the commencement address at the Monticello, Minn. high school on the night of Wednesday, May 28.

COMMENCEMENT DAY FIXED ON JUNE 18

President William O. Thompson of Ohio State University will be the commencement speaker at the University of Minnesota on June 18, when degrees will be granted to approximately 1,000 students. The exact number can not be determined until final examinations are over. Commencement exercises will take place at 10 a. m. and will be preceded by an academic procession of the faculty and graduating class.

The speaker for the Baccalaureate service this year will be the Rev. H. C. Swearingin, pastor of the House of Hope Presbyterian church, St. Paul.

To avoid conflict with services in Southeast Minneapolis churches the service has been set for 3 p. m. on the afternoon of Sunday June 15. E. B. Pierce, chairman of the Committee on University Functions has announced, however, that the afternoon hour is experimental and may not be continued after this year.

36 PHYSICIANS IN MEDICAL COURSE

Physicians from 36 communities were registered at the Medical Short Course at the University of Minnesota which has just been brought to a close. Fifteen were from Minnesota, seven from Iowa, six from North Dakota, four from South Dakota and one from Wisconsin.

The physicians who registered and the town from which they came were as follows: Minnesota: Drs. Merle Bone KELLHER; Harry W. Christianson, WYKOFF; Henry Duncan, MARIETTA; I. W. Gier, BENSON; Theodore R. Hammiermeister, NEW ULM; Charles A. Houston, PARK RAPIDS; R. N. Jones, RICHMOND; Charles G. Kelsey, HINGKLEY; J. J. McKinnon, WADENA; E. H. Mareum, BEMIDJI; Harry A. Miller, WASECA; Anton H. Nerd, ARGYLE; William Reid, DEERWOOD; H. A. Schneider, JORDAN; Joseph D. Waller, WILLMONT; R. North Dakota: Howard B. Huntley, LEONARD; Martin U. Ivers, CHRISTINE; William W. King, MILNOR; R. C. Little, MAYVILLE; Wayne J. O'Brien, EGELAND; G. D. Todd, MEDINA.

South Dakota: Joseph M. Allen, ROSHOLT; Cecil E. Duncan, ROSLYN; Martin F. Maguire, HOT SPRINGS; R. V. Overton, WINNER.

Iowa: P. V. Janss, LUVERNE; Roy R. Jeffries, WAUKON; M. J. Kenefick, ALGONA; C. W. Lundquist, SWEA CITY; Thomas S. Wakler, RICEVILLE; Rollin S. Fillmore, CORWITH; Francis S. Treaney, NEW HAMPTON.

Wisconsin: A. L. Schlemmer, COLBY. A second medical short course of two weeks will be conducted in September according to R. R. Price, director of the General Extension Division.

Expect Big Summer School

Advance inquiries regarding the first summer session at the University of Minnesota, beginning June 24, have been so heavy that a registration considerably larger than last year's is expected by Dean F. J. Kelly, director of summer sessions. Enrollment in the first session last year was nearly 3500. The first summer session will run from June 24 to July 31, the second from August 1 to September 5.

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ANNOUNCE LEAVES AND APPOINTMENTS

Fletcher H. Swift, professor of education at the University of Minnesota has been appointed visiting professor of educational administration in Teachers College, Columbia University for one year. He will lecture on educational finance and will study.

Other appointments made recently include that of Fred Englehardt to be a professor in the College of Education. Mr. Englehardt comes from Pittsburgh.

Harold F. Kumm, formerly a member of the faculty, will return next year as an assistant professor of political science, following an absence during which he obtained his doctor's degree. Prof. E. H. Sirich, who has been teaching in Maryland, will also return to join the department of romance languages. W. I. Razor and Arthur R. Walker, army officers, have been assigned to the military department as assistant professors of military science and tactics.

Appointment of Charles E. Proshok to the fellowship in obstetrics and gynecology maintained by the Swedish Hospital was announced.

Leaves for one year were granted to Professors Paul H. M.-P. Brinton and George H. Montillon of the department of chemistry and to Dr. W. P. Shepard, assistant director of the Students Health Service.

NEW "Y" BUILDING HELPS ASSOCIATION

The new Y.M.C.A. building at the University of Minnesota, standing just across the street from the campus, has been a great asset in expanding the association's work during the past year, according to the annual report of C. P. Barnum, secretary of the University branch.

Membership in the association has increased as a result of the new building, the report shows, and men with a somewhat wider range of interests have been drawn into association work.

The new building contains an immense reading room, beautifully furnished, meeting and conference rooms, and a big dining room. No meals are served here except on special occasions, but the room is thrown open at noon and students who carry their lunches have the privilege of using the tables.

The new Y.M.C.A. building also contains a pastor's study where ministers and religious workers who visit the campus can make their headquarters while interviewing students on carrying on other duties.

"FRATS" CAN'T ANNOY NEW STUDENTS AT "U"

Council Rule Calls Off Rushing Until First Quarter Ends

Students who enter the University of Minnesota are to be wholly free from interruption by fraternity rushing during the first three months of their residence and are not even to be allowed to enter a fraternity house during that period. This decision has been reached by a unanimous vote of the Interfraternity Council and has been approved by the Board of Regents. "Rushing" of students to get them to join a fraternity must not begin until the second quarter of residence has begun.

First quarter students are forbidden also by the rule to take part in any fraternity function, which is defined as any function on or off the campus where three or more fraternity men have got together at any one time with any man who will be or is likely to be an eligible candidate.

"No girls shall in any way, secretly or otherwise, participate in any fraternity rushing" says another paragraph of the new rule. No alumnus shall do any rushing at any time prior to the regular rushing period.

Use of the word "residence" rather than "freshman year" makes the rule apply to students with advanced standing who transfer from another institution as well as to freshmen in the University.

Other rules govern the procedure after the formal "rushing period" begins. This is arranged so as to minimize the drain upon the student's time.

Violations of the new rules will be investigated by a committee of six members of the Interfraternity Council, including its president, Dr. W. F. Holman of the College of Engineering. If violations are proved, punishment may be either a postponement for four weeks of rushing period for that fraternity or a fine of \$100, payable to the Council. The rules will go into effect in September and will govern rushing in the coming college year.

PLAN GREENHOUSE FOR BOTANY STUDY

The University of Minnesota will build for its botany department a splendid new greenhouse that will enclose part of an old stone quarry containing a pool of fresh water in which aquatic plants can be grown. This was voted by the Board of Regents at its last meeting. The quarry lies on the edge of a hill overlooking the Mississippi river near the University Hospital. The regents have set aside \$35,000 to cover the cost of the building.

The present University Greenhouse, standing on University avenue, near the entrance to the campus, is so old that extensive repairs would be necessary if it were to be continued, and the Regents decided that it would be a better expenditure of money to build a new one. Much more land for flower beds and other outdoor details of the greenhouse is available at the new site than at the old.

Existence of the quarry pit means a saving of thousands of dollars to the University in obtaining the kind of a greenhouse it will make possible.

"WHAT IS HAZING?" STUDENTS ASK DEANS

Propose Plan To Substitute Field Day For Usual Class Scrap

What is hazing? Students at the University of Minnesota have made a formal request of the Administrative Committee, comprising the deans of colleges, for a definition. They know that hazing is wrong and against the rules of the University—when it is hazing. But when is it? What is it?

How, they want to know, can they be sure whether or not they are hazing a man when they don't know all the rules? Is it hazing to give a man a push or must they push him down in order to break the rule? Does it make any difference whether he is pushed from the right or from the left?

The students have proposed to the University Senate that the annual Freshman-Sophomore Class Scrap in the fall be abandoned and a Field Day competition substituted. A committee from the All-University Student Council broached the proposal recently at a meeting of the Deans. It was in this connection that a definition of hazing was asked.

The College of Agriculture, Forestry and Home Economics has already developed a Field Day to replace the former scraps at University Farm. The only college in which the "scrap" has been continued in full vigor is Engineering and Architecture, which is made up of men almost altogether. Science, Literature and the Arts, the only other college with a traditional class scrap now contains so many women students that the yearly tussle has declined almost to the vanishing point. President Coffman has appointed a committee to help in threshing the matter out.

NAME WINNERS OF ESSAY ON CHEMISTRY

Winners in Minnesota of the prize essay contest for high school students, conducted by the American Chemical Society have been announced by Dr. C. A. Mann, University of Minnesota, chairman of the state committee. Those who won wrote the best essays among 393 papers, although three times that many were written. The others were eliminated in high school judging.

Prizes went to Kenneth J. Engvall, Minneapolis; Eunice Madison, CHISHOLM; Daniel Kane, MEDFORD; Mary Daggett, ST. PAUL; Clifford Thor, CLARISSA; and Annetta Osendroff, ST. JOSEPH. Honorable mention was awarded to Marshall Crowley, MINNEAPOLIS; Cecil M. Welch, HASTINGS; Maurice Levy, ST. PAUL; Gwendolyn J. Hurd, MADISON; Earle R. Cone, ST. PAUL; and Edward Clay, BEMIDJI.

The committee report shows that 56 wrote on "The relation of chemistry to the enrichment of life," 58 on "The relation of chemistry to forestry and agriculture," 42 on "The relation of chemistry to the development of industries and resources of your state," 68 on "The relation of chemistry to national defense," 91 on "The relation of chemistry to health and disease" and 78 on "The relation of chemistry to the home."

Those on the committee, besides the chairman, were Harry Snyder, Dr. J. F. McClendon, Dr. Arthur Sweeney, Dr. Mabel Ulrich, Dan Wallace, E. M. Phillips, J. S. McLain, E. L. Smith and Lieutenant Colonel H. H. Rutherford.

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MUST TRAIN YOUTH, NOT DISTRUST IT

Speaker Calls Schools and Playgrounds the Safeguards of the Future

America's national problem is to maintain a sufficient respect for the past to keep its best fruits while actively engaged in an educational enterprise that inevitably must develop a new future, President W. O. Thompson of Ohio State University told members of the graduating class of the University of Minnesota in his commencement address on June 18.

The only safe protection against revolution and its attendant evils is a thoughtful public sentiment directing the progress of events in such a way as to keep the forces of society in a reasonable balance, he said.

"Two things are inevitable. First, the status quo cannot be maintained. We may fight for it tooth and nail, but it is bound to go. The oncoming generation may listen to us, but they will act upon their own fancies or judgments. Second, public sentiment will be the force determining the direction of whatever change or progress the future may hold. Our chief concern, therefore, should be not to prevent any change but to administer our own generation in such a way that the oncoming generations may have some respect for what we have been and what we have done. This will serve as a guiding principle in determining the future.

Situation Painted Too Dark

"The tocsin of revolt, as one author has described the protest of the young against the rule of the older, carries in its echoes all the joyous recklessness of youth," said President Thompson. "Here, as always, we are prone to believe the situation is not as bad as many would have us believe. Social customs, manners in dress, indeed all the fashions and conventions of life have been the subject of adverse criticism since the days of Eden. Despite all this, the world does move. The rate of progress is not always satisfying to some who are impatient under the delay of their ideals; but one must protest a little against the wholesale condemnation often visited upon our children.

"We would do well to remember that they are our children and that we may have some responsibility for the revolt. The failure of one generation to understand another is not a new experience.

"There is something of a challenge in this situation as to the efficiency or the success of the passing generation in creating a proper sentiment in the minds of its successor. However, the plain truth abides that the younger generation has always been the color bearer. They are eager to enter upon the conquests of life. The presence of law in a moral universe will, in due time, be as clear to them as ever it was to the fathers. Industry, commerce—in fact all human enterprises—emphasize certain great issues that cannot be dealt with by a generation lacking in moral ideals and moral courage.

Students Have Honor and Integrity

"I have great faith in the outcome. Thirty-three years in the college presidency brings me testimony in which honor, integrity, and optimism have prevailed. Instances of degeneracy and decadence in students have been so rare as to keep me enthusiastic about the oncoming citizen. I am more willing to confess the failure of my own generation than to bring an accusation against those who shall follow us."

President Thompson stated three great means to national betterment on which

WORK STARTS ON 2 NEW HOSPITALS AT "U"

Cancer Unit and Eye, Ear, Nose, and Throat Building to Go Jp

Enlargement by approximately 100 beds of the Minnesota General Hospital, situated at the University of Minnesota, was begun today when steam shovels began excavating for the Todd Memorial and George Chase Christian Memorial units on the university campus. The Todd hospital will be built especially for the treatment of eye, ear, nose, and throat cases. The Christian Memorial unit will be a cancer hospital.

Dr. L. B. Baldwin, superintendent of the University hospitals, expects to have the new buildings ready for use a year from September.

A gift of \$250,000 by the Citizens Aid Society of Minneapolis has made possible the erection of the cancer hospital. The building by the late George Chase Christian. Of the total, \$200,000 will go into the building and \$50,000 into special radium and X-ray equipment for treatment of cancer.

Gifts of \$20,000 by Mrs. Frank C. Todd, widow of the physician after whom it is named, \$20,000 by Mrs. E. C. Gale and \$5,000 by Mrs. Mapes gave the nucleus of the Todd hospital fund. The regents have added from building funds money to erect a hospital costing, with the capacity of the University hospital, about 180,000.

Capacity is increased from 193 beds to approximately 300 beds by the additions.

By an act of the 1921 legislature the University hospitals are also the Minnesota general hospital, to which any county may send patients for care. In these cases half of the expense is borne by the state and half by the county.

Both hospitals will be built along Union street S.E. and will be connected by a wing with the Elliott Memorial hospital, which stands on the river bank overlooking East River Drive.

Art Instructor Named

Robert S. Hilpert, a member of the faculty at the St. Cloud State Teachers College, has been elected assistant professor in the College of Education at the University of Minnesota to teach in the department of industrial art. He is a Chicago man who has had both practical experience and academic preparation in art in addition to his more recent teaching experience.

He is pinning his faith. These are the playground, with its sports and athletics, as a means of breaking down class barriers and misunderstanding, a better understanding of education and its complete program, and third, the frank acceptance of the responsibilities of citizenship.

"The people of America have tried to make the school the organized effort of society for passing on the idealism of the country," he said. "We have in full view the importance of individual development, but quite as much we are devoted to the social values in education. We are not engaged in a nation-wide effort to prepare a generation for the selfish advancement of the individual. Our schools are public and national in their horizon. No private ends are to be served at public expense. The individual advantage is incidental to the larger conception of preparing a citizenship for a perpetual democracy. Into the world of stirring, active, and forceful men the generation must be thrust. The school is the most effective agency yet devised for this great task."

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Address all communications to
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ADDS 95 DOCTORS TO STATE'S SUPPLY

Approximately 95 physicians have been added to the rolls of medical practitioners in Minnesota by the University of Minnesota Medical School during the past year according to statistics in the office of Dean E. P. Lyon. Forty were graduated with the M.D. degree at the end of the fall quarter last December, two were added in April, and 53 more doctors were graduated June 18 at the close of the college year.

Although nearly 170 degrees were granted by the Medical School on June 18, only about one-third of them were the M.D. degree which entitles the student to practice. This is because students completing the six years menudical course must serve for an additional year as hospital interns before being admitted to general practice. More than 100 of the June degrees were Bachelor of Medicine, to which the Doctor of Medicine degree is added at the conclusion of the internship.

Coincidental with the graduation at the Medical School, work was started on two new buildings in the University hospital group, which is also, by legislative enactment, the Minnesota General Hospital. The new units are the Todd Memorial Hospital, for eye, ear, nose, and throat cases, and the George Chase Christian Memorial Cancer Hospital. Both were made possible by gifts of money from public spirited citizens. Upon the completion of the cancer hospital, \$50,000 will be devoted to the purchase of special radium and X-ray equipment for use in the treatment of patients afflicted with cancer.

Under state law, Minnesota counties may send county patients to any of the University hospitals, the county paying half of the cost there and the state the other half.

Give \$1,464 for Aid of Europe

Students and teachers in the University of Minnesota have contributed \$1,464.23 of the \$151,000 fund that has recently been sent by American students for the relief of students and professors in Russia and Central Europe. The money was raised in a nationwide "Friendship Fund campaign." In addition to the collections in colleges, \$317,680 was given by individuals and organizations. Of the whole amount \$255,708.30 is being sent to Russia, \$139,354 to Germany and Central Europe, \$8,000 is going to foreign students in the United States, \$15,000 is allotted to the World's Student Christian Federation, and \$38,000 has been used for campaign expenses.

31 ACADEMICS WIN HONOR DEGREES

One bachelor of arts degree summa cum laude, thirteen magna cum laude and seventeen cum laude degrees were granted by the College of Science, Literature, and the Arts among the other degrees conferred today at the University of Minnesota. The arts college honor students were the following: Summa cum laude, Rose Berman, 711 Elwood ave.; magna cum laude, Isobel Spenser, 329 Nineteenth ave. S.E.; Chao Shill, Peking, China; Celius Dougherty, GLENWOOD, Minn.; William Lundell, 745 Fillmore st. N.E.; Paul Millington, LAKELAND, Minn.; Robert Whitney, 3225 Park ave., Minneapolis; Elizabeth Williams, 418 Upton ave. S., Minneapolis; Virginia Chase, Minneapolis; Carlyle Jacobsen, 2516 East 22nd st., Minneapolis; Agnes Evelyn Fix, Duluth; Llewelyn Pfanuchen, 2737 Stevens ave. So.; Helen Cross, 617 14th ave. S.E.; Ward Ruckman, Minneapolis, B.A. cum laude; Estelle Ingold, 414 Seventh ave. S.E., Minneapolis; Lester B. Orfield, 3120 Zenith ave. So., Minneapolis; Leland Southwick, WADENA; Otis Lee, DEERWOOD, N. D.; Marie Ness, DEERWOOD, Minn.; Edward Rein, 216 West 27th st., Minneapolis; Edmund Moore, 3437 Stevens ave., Minneapolis; Herman Arnott, 2739 Fremont ave. So., Minneapolis; Selmer Birkele, 217 Fifth st. S.E., Minneapolis; Florence Carlson, WILLMAR, Iowa; Louise Luce, 722 Thirteenth ave. S.E., Minneapolis; Ruth Smalley, 311 Tenth ave. S.E., Minneapolis; Harold Soderquist, 1122 Washington ave. N.E., Minneapolis; Rosamund Tuve, 3136 Irving ave. So., Minneapolis.

LITTLE FALLS GIRL LEADS MEDIC CLASS

Little Falls, Minn., is the home of the young woman who was graduated from the University of Minnesota Medical School on June 18 with the reputation of "highest ranking student in seven years."

That is the popular honor that has been bestowed upon Miss Huldah Thelander. The Medical School can announce her only as the leading student of the class. No compilation of all past statistics to substantiate the statement covering seven years has been made, but her instructors say the report is absolutely true and no challenging voice has been raised.

The leading graduate student to receive the M.D. degree is Dr. Frederick C. Eberson, who has won distinction as a graduate student of bacteriology. Dr. Eberson, who came to Minnesota two years ago, has been working under fellowships granted by the Hennepin County Medical Society.

Name Education Fund for President

Students in the College of Education are building up a fund at the University of Minnesota to be used for scholarships and fellowships in the study of education under the name, Coffman Foundation, in honor of President L. D. Coffman, who formerly was dean of the College of Education.

Members of each graduating class are given an opportunity to contribute to the fund, either directly or in pledges. The money is handled by the Board of Regents.

Although the fund is only a little more than a year old it amounts to nearly \$2,000 in cash and pledges and there has been some income during the past year.

JUSTICES TO SPEAK ON CONSTITUTION

Three Lectures in National Symposium Announced for University

Three justices of the Minnesota Supreme Court will speak at the University of Minnesota during the week of July 21 on "The Place of the Constitution in our American Scheme of Government." The series will be one in a national symposium on the same subject that will be delivered in a large number of American educational institutions.

Chief Justice Samuel B. Wilson, and Justices Royal A. Stone and Edward Lees will be the Minnesota speakers. Professor Justin Miller is in charge of the arrangements.

The plan of having a nationwide discussion of the Constitution was originated by R. E. Saner, president of the American Bar Association, who won his election to that office partly as a result of his keen interest in promoting popular attention to the United States Constitution. The series of lectures will be one of the group of special educational offerings during the first summer session at the University.

MILITARY SCIENCE MADE MAJOR STUDY

University of Minnesota students may make military science a major course of study if they see fit, under a new ruling recently adopted by the Science, Literature, and Arts faculty. The course will lead to the Bachelor of Science degree. Students choosing military science as their principal subject will have to fulfill all standard requirements for obtaining a degree from the University.

Next year will be the first in which a "cadet" may major in his chosen field.

To win a degree with military science as the main study the student must obtain during his first two years 90 credits including 15 in English-rhetoric, 10 in the history of the Modern World, 10 in either animal biology, psychology, or chemistry, and must do the work that would prepare him to follow a major sequence in either history, political science, or mathematics.

Among the 90 credits he must obtain as a senior college student will be 12 in military science, five in bacteriology, six in preventive medicine, and 21 in either history, political science, or mathematics.

Students must have honor points equal in number to their credits if they are to graduate.

At the same time that it voted on the major in military science, the faculty adopted general regulations providing that courses of study with vocational or professional aims shall lead to the degree Bachelor of Science rather than Bachelor of Arts. The work in courses leading to the Bachelor of Science degree must conform to the standards for work leading to the B.A. degree.

Student Makes 418 Honor Points

Although 180 honor points meet the average graduation standard at the University of Minnesota, Miss Ruth Bach, Sioux Falls, S. D., student in the School of Business, has piled up a total of 418 honor points without counting those she must have won in the last term of her university residence. Dean George W. Dowie of the School of Business points out that Miss Bach has done work which on the basis of honor points is approximately two and a half times as good as that required for graduation. Her total is believed to be a record in that college.