

Keep Off the Grass.  
Stay on the Walks.

# THE DAILY NEBRASKAN

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## MUST CONSERVE ENERGY OF SUN

Dr. H. A. Spoehr Says Scientists Are Seeking New Power Source.

### GIVES ANNUAL PHI BETA KAPPA-SIGMA XI TALK

"Our present civilization is burning up each year, in the form of coal and oil, nearly one hundred times as much energy as nature can store up in that time and the scientist with foresight is vitally concerned with the problem of conserving the energy of the sun, the only outside source of energy that the earth has," declared Dr. H. A. Spoehr of the Carnegie Institute of Washington, D. C., in an illustrated lecture on the subject, "Sunlight, the Prime Mover of Civilization," which he delivered before an interested audience in the Temple last night as the annual Phi Beta Kappa-Sigma Xi address.

He explained that all energy emanates from the sun and that it is the plants, and the plants alone, that are able to transform it so that it can be used by human beings and animals. There is a complete cycle of material going on all the time. Human beings subsist on plants, or on animals which in turn live on vegetation. Men and animals give off carbon dioxide when this food is used up and the plants in turn convert this carbon dioxide into more food. But there must be an outside source of energy to keep this cycle going and that is light.

The process by which the plant can convert carbon dioxide and light into a tangible form of energy, such as sugar or starch, is known as photosynthesis. This process was briefly explained by Doctor Spoehr.

When our stored up supplies of energy, such as coal and oil, give out, which they are certain to do before many centuries, man will be dependent on the energy that he can develop by this photo-synthesis process, the speaker declared.

A few people have believed that water-power could be substituted, but Doctor Spoehr quoted figures compiled by Charles Steinmetz, the great electrical engineer, which show that it would be impossible to develop enough water power in this country to satisfy our needs.

Alcohol, which can be manufactured from sugar and starch, the products of photo-synthesis, seems destined to be the fuel of the future, said the speaker. The scientists problem now is to develop a more efficient means of carrying on this process of photo-synthesis, because plants are so inefficient and unreliable, that they cannot be depended on.

DARMOUTH—Plans are under way for the annual trip of the Led-yard canoe club down the Connecticut to the ocean.

## Weather Forecast

Wednesday—Fair with rising temperature.

## PLAY FIRST ROUND OF WOMENS TENNIS MEET

### Begin Second Series of Games in All-University Singles Tournament

First round games of the all-University womens singles tournament must all be completed today. The second-round matches to be played off by Friday, May 16. Twenty-nine women are entered.

Dorothy Supple, who won the womens singles championship last fall, defeated Sylva Kunc yesterday 6-4; 6-1. The second set of the match between Ester Robinson and Lillian Story was decided only after twenty-eight games had been played. The set ended 15-13 in favor of Ester Robinson.

Results of games played thus far: Hazel Safford lost to Irene Barquist, 6-0; 6-0.

Katherine McDonald lost to Olive Huey, 6-1; 6-0.

Mildred Schobert lost to Claire Miller, 6-3; 6-1.

Alice Dougan lost to Louise Branstad, 6-3; 6-3.

Gladys Foster lost to Ruth Wright, 6-0; 6-0.

Sylva Kunc lost to Dorothy Supple, 6-4; 6-1.

Lillian Story lost to Ester Robinson, 6-2; 15-13.

Luella Reckmeyer lost to Ruth Johnson, 6-2; 6-1.

Margaret Tool lost to Kathro Kidwell, 9-7; 6-2.

## WILL ANNOUNCE NEW CENTURIAN MEMBERS

### Arts and Science College to Hold Annual Convocation in Temple

Centurians, honorary mens organization of the College of Arts and Sciences, will announce new members at the convocation Thursday at 11 o'clock in the Temple, at the same time that the Vestals of the Lamp, the corresponding women's organization, announces new members.

A pageant written by Dr. H. B. Alexander for the installation of the women's organization will be given. Dr. Alexander will also deliver the main address of the meeting. He will talk on the history of the college and its work.

All Arts and Sciences students who are free at that hour are urged by the dean of the college to attend. Some classes may also be dismissed.

KANSAS—The department of physical education is sponsoring the annual horseshoe tournament



ENGELBERT ROENTGEN.

Engelbert Roentgen, solo cellist and assistant conductor of the Minneapolis Symphony orchestra, is a member of a famous European family of musicians. He has the reputation of being one of the master cellists of America.

## NEBRASKA STUDENT ON NATIONAL COMMITTEE

### Berge Honored by Organization Fostering Spirit of Law and Order.

Wendell Berge, '25, has been appointed to the executive committee composed of seven members to represent the College and University committee of 150 which was authorized at the law enforcement convention attended by Mr. Berge in Washington, D. C., last month. In addition to Mr. Berge are: R. L. Hodges, Florida; Freeman C. McClure, Georgia; John P. Hubbard, Harvard; Donald Stevenson, Yale; Miss Esther McDonald, Teachers College, N. Y. C.; and Patrick M. Malin, Pennsylvania.

The committee is being organized to further the work started by the student conference on law enforcement held in Washington. The committee of 150 as proposed will include college representatives from the whole country. The seven members of the committee on which Mr. Berge is serving are voting this week on the official title for the committee of 150 and also as to the percent of students, faculty, and alumni to be represented.

## DR. HAYS SPEAKS TO UNIVERSITY FRESHMAN

### Declares That Spiritual Side of Life Must Be Developed.

Dr. S. Mills Hays, retired minister and instructor in the University of Nebraska, was the freshman lecture speaker, Monday evening and Tuesday morning. His subject was "Religion and the Academic Life."

"There is great need of the spiritual life in education," he said. "I do not believe that any man or woman can call himself or herself educated unless the spiritual side has been studied."

There are four steps in education, he declared. Three of them are stressed in our schools, but the fourth is the most important. The study of practical subjects, the collection of knowledge or facts and the discipline of the mind may make a highly trained man but that person is not truly educated unless he has power of realization of the unseen. It was that power that made General Foch able to direct many armies, though he was not near them, he asserted.

"The last seventy-five years, during which time the greatest of scientific developments and discoveries have been made, have been years of great spiritual education," declared the speaker. "Those scientists who scanned the heavens and studied the inhabitants of the earth deserve much credit for the great fundamental truth they have brought out. They thought that running through this entire universe, governing the universe, holding part to part and binding it together so that it was a perfect universe and not a chaos, there was one great external universal force. They did not call that force God, but they indicated that there was but one power behind everything."

## Ed Weir President of Vikings for Next Year

Vikings, junior mens honorary society, held election of officers for the forthcoming year Tuesday evening at the Alpha Sigma Phi house. Officers elected were: President, Ed Weir; vice president, Robert Scullar; secretary, Donald Sampson; treasurer, Ralph Rickley; sergeant-at-arms, Otto Skold.

## SELLECK WILL SPEAK TO BIZAD STUDENTS

### To Give Talk on Business Morality at General College Convocation.

"Business Morality" will be the subject of the speech of W. A. Selleck at the general Bizad college convocation in Social Science auditorium at 11 o'clock Thursday, May 15, according to a statement issued by Philip Lewis, general chairman of the committee.

"I wish that every student in our college would take thirty minutes of his time Thursday morning and attend this convocation," says Dean LeRoussignol. "I know that Mr. Selleck will have much of interest for all who attend."

Regular convocations will be held every six weeks next year. Plans are being made to have the convocations scheduled in advance and notice of them published in the "N" book. If this is done classes will be excused at the hour when the convocations are held next year.

## MOTHERS ARE GUESTS AT TEA AND VESPERS

### Mrs. W. T. Elmore Compares Influence of Mothers of Christ and Moses.

Mothers day was observed at Vespers Tuesday afternoon in Ellen Smith hall when the mothers of University girls were entertained at tea from 4 to 5 o'clock, and were guests at the regular Vesper services where the program was in keeping with the spirit of Mothers day.

Mrs. W. T. Elmore, in her address at Vespers, described the influence of the two mothers—one the mother of Moses, the other the mother of Christ. The words of Christ as he was being crucified, "Mother, behold thy Son," were the speaker asserted, very suggestive of the influence of one mother upon her son.

A violin quartet composed of Gladys Mickle, Mary Ellen Edgerton, Charlotte Baker and Kathryn Warner, accompanied on the piano by Dorothy Payne, played for the opening of the services. Miss Harriet Cruise sang a solo, and the Vesper choir sang another special number. Miss Grace Spacht presided.

UTAH—A union building campaign has been launched at the University of Utah. Each student is to be asked to pledge \$50.



HENRY J. WILLIAMS.

Henry J. Williams, harpist, was at one time famous all over the British Isles. He was a member of Sir Henry Wood's orchestra of London and between seasons made concert tours. He was so favorably impressed with this country upon his first visit that he concluded to stay, and has been a member of the Minneapolis Symphony orchestra since 1903.



LENORA SPARKES.

Lenora Sparkes, soprano with the Metropolitan Grand Opera company of New York city, will take one of the leading roles in the concert tonight. She is one of the four distinguished soloists who will appear in the presentation of the oratorio "Elijah."

## INVITE ALEXANDER TO LECTURE AT SORBONNE

### Philosophy Department Head Will Speak on Indian Art and Mythology.

Dr. Hartley Burr Alexander, head of the philosophy department of the University, and a professor of philosophy here since 1908, has received and accepted an invitation from Sorbonne college of Paris to give a series of lectures on American Indian art and mythology. If given a leave by the Board of Regents, Professor Alexander will visit Paris next spring.

An invitation to lecture at Sorbonne is considered a very great honor. The college is connected with the University of Paris and was founded about 1500 by Francis I. It asks only the highest authorities in the world to lecture to its students. Theodore Roosevelt and Woodrow Wilson have both lectured there.

Dr. Alexander has obtained many honors in his field of work. He is author of many books on the American Indians. Dr. Alexander was born in Lincoln and secured his degree from the University in 1897.

## BAD WEATHER DELAYS TELEGRAPHIC CONTEST

### Missouri Valley Freshman Track and Field Meet to Be Run Today.

Cold weather yesterday prevented the running of the Missouri Valley freshman telegraphic track meet and field meet. The meet will be held this afternoon at 1:30 on stadium field. All freshmen who are to compete will be excused from classes.

New entries since those announced yesterday are Jolley in the mile run and Watkins in the shot put. Other freshmen who wish to take part in the meet should come out, and there will be tryouts for the four places which are allowed in each event.

Nebraska has won the telegraphic yearling meet for the past two years, and another victory is hoped for this year. All schools in the Missouri Valley conference will hold the same events on their home courses and the results will be telegraphed to a central headquarters where the tabulations are to be made according to the time and distance reported for each event. Trophies will be given to the winning schools.

Nebraskas material for next years track team will come to light in the meet, as this will be the first time that all the freshmen will run together on the same afternoon.

## Delta Omicron Chooses Officers for Next Year

New officers for next year were elected at the regular monthly business meeting of Delta Omicron. These elected are: President, Mary Ellen Edgerton; vice president, Flida Graham; secretary, Jeanne Olson; treasurer, Alice Miller; warden, Ruth Ann Coddington; chapter editor, Marian Yoder.

## GIVE CONCERT IN STADIUM TONIGHT

### Everything in Readiness for Program by Minneapolis Symphony Orchestra.

### CHORUS OF 300 VOICES TO SING AT FESTIVAL

Everything is in readiness for the open-air concert to be given in the stadium at 8:30 this evening by the Minneapolis Symphony Orchestra, conducted by Henri Verbrugghen, four distinguished soloists, and a picked chorus of 300 voices directed by Mrs. Carrie B. Raymond.

The advance sale of tickets has been quite heavy, according to members of the committee in charge. Tickets sold by members of the committee may be exchanged for reserved seats at Ross P. Curtice's until 5:30 this afternoon. Tickets will be on sale at the stadium box office after that time. The prices are 50 cents, 75 cents, \$1.

A large stage has been erected in front of the west side of the stadium to accommodate the orchestra. The chorus will be behind the orchestra. Huge flood lights to furnish illumination for the stage and the stadium have been installed. Mr. Gaines of the Minneapolis orchestra pronounced the acoustic properties of the stadium to be perfect for such a concert.

There will be two parts to the program this evening. Liszt's Symphonic Poem No. 3, "Les Preludes," will be given by the orchestra as the first part. The second part will be the oratorio, "Elijah," by Mendelssohn, presented by the orchestra and the chorus, with Bernard Ferguson, noted baritone, in the role of Elijah. Mr. Ferguson will be assisted by three other soloists: Lenora Sparkes, soprano; Mabel Beddoe, contralto, and Walter Wheatley, tenor.

The Minneapolis Symphony orchestra is hailed as one of the greatest organizations of its kind in the country. Henri Verbrugghen, its director, has had an interesting career as a musician. He has directed orchestras in all parts of the world including the London Symphony orchestra. A number of distinguished instrumental soloists will appear with the orchestra.

Ferguson Takes Leading Role. Bernard Ferguson of New York, who will take the role of Elijah, is physically, as well as vocally fitted to that role, and he has been in demand for concert and oratorio work in all parts of the country.

Mabel Beddoe, possesses a voice of warmth, and a style of distinction that rank her as one of the best contraltos that this country has produced. She has received a great deal of favorable comment from the press in all parts of the country. Lenora Sparkes will be the soprano soloist.

Walter Wheatley, who will be the tenor solo, is well known to all Lincoln music lovers, having lived here for a number of years.

The orchestra will arrive this morning from Concordia, Kan. A complete rehearsal will be held in the stadium at 1:30 this afternoon. (Continued on Page 4.)



JENNY CULLEN.

Miss Jenny Cullen is one of the very few women players in any great symphony organization. She is a member of the famous Verbrugghen string quartet that is included in the Minneapolis Symphony orchestra. She was formerly the concert master of the celebrated State Symphony orchestra of Sydney, Australia.

## Expect Military Day Stunt to Draw People from Entire State

Between fifty and a hundred thousand people are expected to attend the military-day stunts to be staged at the fair grounds May 23, according to the officers in charge of preparations. With the Missouri Valley track meet drawing sport fans from over the entire state and from the entire Valley and the military stunts drawing their quota, it is expected that one of the greatest crowds that was ever in Lincoln will be present for the two days.

Mounted troops, well-trained infantry companies, and a special air squadron will be here from Fort Riley, Kan., to give exhibitions. The Pershing Rifles, crack drill company, is working on a special close-order exhibition while a company from the cadet regiment will go through a sham battle, using blank ammunition. A detachment of artillery from the regular army will also give a special exhibition.

University authorities, the Chamber of Commerce, the American Legion, and the Officers Reserve corps have charge of the event. The expense of the exhibition will be borne by the military units in Lincoln with the aid of Lincoln business men.

A program of activities for the men who are guests here during the

celebration is being planned. According to the present program, Capitol Beach will be open one night to the army men. The local theaters will entertain the visitors another night and the American Legion will give a dance for all army men Saturday night. On the afternoon of May 24, all visiting army men will be guests of the athletic department at the Missouri Valley track meet to be held in the Memorial Stadium.

Several days before the date set for the celebration, the troops from Fort Riley will begin their overland march. They will be in Lincoln about two days before the event. This will include about 300 men and 200 horses.

The night before the celebration, the army and navy reserve officers will hold a banquet for the visiting officers. Many reservists from over the state are expected to attend the banquet.

At noon on May 23, the day of the events, the grand parade will be staged. The order of parade will be: Marshall, York National Guard band, color section with guard, Battery A of the Ninth Field Artillery, Troop F, Second Cavalry, regular army units, County Reserve Officers corps University R. O. T. C. band, and finally the cadet regiment.