

Veda Rees and Mary South of Norfolk, Laurine Marvel, Margaret Schmitz, Willa Rogers and Helen Van Gilder of Hastings, Wilda Blakesley of Fairbury, Polly Robbins, Rich and Doris Pinkerton of Omaha and Jean Felton of York are guests at the Gamma Phi Beta house.

Mary Rosencrans, '22, is spending the week end at her home in Platts mouth.

FRESHMAN PARTY AT ROSEWILDE SATURDAY

First Year Students Will Celebrate With Big Dance and Fun Fest

The Freshman Fest comes Saturday evening and don't you forget it! For five and a half weeks the committee in charge has been working its head off planning for the entertainment, decorations, refreshments and everything else that will go to make this hop live up to the reputation and high standard that has been set by past functions of the same kind. The tickets are on sale by the Green Gob-lins, the freshman class officers and at the Student Activities office and may be bought at \$1.10 each. The place is the Rosewilde and the time is eight o'clock. Refreshments are guaranteed and the fine arts department will vouch for the decorations. Fecks, the dance orchestra will furnish the music. As to the committee that is fixing up the details of the event, it is made up of some of the best members of the freshman class for the purpose and the whole class is back of them and pushing for their success. They are: Roy Randolph, Helen Guthrie, Wilbur Peterson, Marie McCarty, Francis Sperry and Edith Replogle.

In past years this Freshman Hop has been the main attraction of the school year for the freshmen and has held no mean interest for the upper classmen. This time is to be no exception to the rule, according to Wendell Berge, the class president, as telephone calls have been coming in ever since the work was started before vacation, for information concerning the event. Wilbur Peterson, who is taking a main part in selling tickets, reports that they are going fast and it is confidently expected that all can easily be gotten rid of.

Expeditions, traveling in distant lands, in places where no wires have ever been stretched, can transmit messages by radio. Communication by radio at sea is of course, one of the great possibilities, as we all know.

"We cannot expect that radio will replace ordinary telephone communication between individuals. It is not possible to direct radio messages so absolutely. Radio is too general, it goes out over a large area, and others—not everybody, but others—could hear the message as well as the person for whom it was intended.

But radio might be used in sending toll messages. A telephone subscriber might talk by wire with a radio Central station in his city, and the message which he wanted to send to a far distant place might then be put on the wireless from that station, to be received by a similar radio central in the other city, and then transmitted by telephone to the person addressed.

"It is by broadcasting that radio will perform the most service to the most people. Speakers can address the nation at large as was done with the President's inaugural address; lecturers can lecture to larger audiences; college professors can be heard by many who might not be able to take regular college courses, or who, while attending the classes of some professors, would lose the lectures of others elsewhere whom they might desire to hear—so that people might receive some aspects of college training without leaving their homes; ministers might preach to many who are not present at church; public information might be sent out, as is already being done.

"Radio is a very large subject, a big thing, so that only those who have studied it thoroughly can safely discuss what may come of it in future years. Obviously we are far from having reached its limits of development."

Personals.

Professor Gurnsey Jones has left for Chicago, where he is to spend several weeks while convalescing from his recent illness.

Professor Roy E. Cochran of the American History department, will lecture Thursday evening to the Fairbury College Club at Fairbury, Nebr.

P. J. Carey, '03, is practicing law with offices at Muskogee, Oklahoma.

Ruth Turner will spend the week end at her home at Fairbury.

Charles Emory Barber, '04, is city superintendent of schools, Alhambra, California.

William Maxwell of Chicago, Wayne Loomis and Donald Deveries of Fremont and Otto Beezer of Denver are guests at the Alpha Tau Omega house.

Catherine Phillip, '25, is visiting at her home at Columbus.

Harold Scoins and Homer Johnson of Omaha are guests at the Delta Chi house.

Alvin S. Johnson, '07, is a journal ist in New York City. Mr. Johnson received his Ph. D. degree at Columbia university.

Caroline C. Nelson, '06, has been appointed to the Girls' School at Ajmer, Rajputana, India.

G. L. Fawcett, '05, is estacion experimental agricola, Tucuman, Argentina.

Lila Drollinger, '18, writes that she has enjoyed very much her teaching in the Lincoln High School this year. Superintendent J. W. Hussey, '20, and Mrs. Hussey (Gretchen Morse, ex '22) will return to their school work at Cambridge next year. Mrs. Hussey has not taught heretofore but has been employed by the Board of Education of that place to teach in the Junior High School next year.

Ed Hugg, '17, former Cornhusker basketball captain, and J. W. Hussey, '20, also a letter man at the university, were both members of the Cambridge American Legion Basketball team, state champions. Dwight Thomas, '18, a former basketball star at Nebraska, and coach of the Curtis of the Curtis school, played some games with the team, also.

The alumni association is in receipt of a letter from Ethel Hartley, '17, who is doing missionary work in Hangchow, China, in which she writes that she finds her work in the foreign field very interesting. She writes that next week the Hangchow Young Women's Christian Association goes through the most important step of its history up to this time—that of formal organization.

Paul L. Brockway, '05, who is city engineer for the city of Wichita, was kept quite busy the first of April helping subdue the flood waters of the Big and Little Arkansas rivers, both of which caused considerable trouble in the lowlands. Mr. Brockway was in charge of the workmen who were engaged in diking up the banks of Big Arkansas river, where the most damage was done.

Dr. James C. Waddell, '10, is practicing medicine with the Hepperlin Clinic, Beatrice, Nebraska.

NEW CAPITOL TESTS IN HANDS OF PROF. MICKY

University Professor Has Complete Charge of All Tests on New Building

In the building of such an immense and monumental structure as the new Nebraska State Capitol building is to be, it is necessary that an exhaustive study be made of the exact soil conditions which underlie the site of the new building. It was left to the engineer to devise methods by which this work could be accomplished. The great responsibility of supervising this work was given to Professor Clark E. Mickey, head of the Civil Engineering department of the University of Nebraska.

Under his direct supervision and with the able assistance of R. Glover, a graduate civil engineer of the university, thorough tests were made of the various formations underlying the new site.

In order that the structure should stand intact for years to come it was necessary to determine the nature and size of the foundations to be used. Whether the foundation could be safely built on the top soil or whether it would be necessary to go down to the sandstone layer which lies about fifty feet below the surface. Had a greater study of the soil conditions been made before the present building was erected, it would still be safe and could be used for many years more. But as it is the foundation was weak and it is today a menace to the people who have to work there.

In the making of the tests Professor Mickey had a great many test holes drilled and the kind of the underlying soils carefully determined. Then an excavation about thirty-two feet square was made on the southeast corner of the grounds and in this hole the various bearing tests were made. At seventeen feet below the surface on an area of sixteen square feet a bearing power of 7.9 tons a square foot was found. The soil at this point is of a loess clay foundation. The hole was then deepened and tests made on the underlying bed of sandstone which at this point is about 47 feet below the surface. On a bearing surface of one square foot a load of 63.2 tons was placed before failure. On another area of 4 square feet a load of 94.4 tons a square foot was placed before the rock gave way. The loading for the various tests was accomplished by piling up rails which had been brought in from the Burlington shops at Havelock, these being placed on an ingeniously arranged column made for this purpose.

Edwin S. Jarret, a New York engineer, who designed the foundations for the capitol building, said in closing a letter to the capitol commission: "There is no question but that the co-operation of Mr. George E. Johnson and Professor Clark E. Mickey with the foundation engineers and the efficiency which resulted from that co-operation and the use of the facilities of the Department of Public Works and the University saved in

this operation a substantial amount of Public Money."

Mr. Jarret speaks of the borings and tests on the State House grounds, in their exactitude and magnitude, as a notable engineering achievement.

Personals.

R. E. Fortna, '21, is in the employ of the McKelvie Publishing Company, acting as livestock fieldman for the publication, "The Nebraska Farmer," with the entire state as his territory.

The Nebraska University Club of Portland, Oregon, held their annual dinner in the Crystal Room of the Benson Hotel, the evening of February 22, 1922. Fred W. Bronn acted as toastmaster. The program consisted of music and talks reminiscent of the old Nebraska university and was thoroughly enjoyed. Those taking part in the program were: J. C. Stevens, president; Ethel Erford Hewitt, secretary; J. P. Cleland, Edward R. Harvey, L. P. Hewitt, Mrs. J. C. Stevens, Ethel E. Griffith, Miss Kimmel Brown, Nellie Rothwell May, Alice Rothwell Watts, Richard P. Bryson, Grace Bishop Bronn and Fred W. Bronn. Edward H. Harvey was elected president and H. L. Temple secretary for the coming year.

Dr. Wolcott took his class in nature study and ornithology to Capital Beach lake last Saturday, where

they spent the forenoon in the study of birds. A kildore's nest with four eggs was discovered. And quite a number of water birds, including ducks, geese, gulls and sand pipers were seen. Twenty-seven students made the trip.

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Central Hotel Cafe

LIBERTY

THURS.—FRI.—SAT. Liberty Concert Orchestra International News Weekly Subjects and Points of Interest "WHITE EAGLE" With Ruth Roland BUSTER KEATON In "THE GOAT" "BIG JIM" "The Shimmying Bear" JEAN GIBSON & CO. "The Gall Curri of Synopation" JOHNNY COULON "The Man They Cannot Lift" FRED LEWIS "The Comedian" A DRESS REHEARSAL A Travesty in One Act

SHOWS START—2:30, 7:00, 9:00 Mats.—20c; Night—40c; Gal.—15c.

RIALTO

THUR.—FRI.—SAT. Rialto Symphony Orchestra Pathe Semi Weekly News The World's Events Visualized "SPIKING THE SPOOKS" A New Educational Comedy FRANCES ROSENSTOCK AND BETTY FITZGERALD Vocal Entertainers "WIFE AGAINST WIFE"

Shows Start at 2:30, 7:00, 9:00 Mats. 20c. Night 35c. Chi. 10c

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ALL THIS WEEK The First Real Million Dollar Picture "FOOLISH WIVES" Other Entertaining Features Shows start at—1, 3, 5, 7, 9, Mat. and Night Prices 50c

THE GREEN LANTERN

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XI DELTAS FOR NEXT YEAR ARE ANNOUNCED

XI Delta, honorary Sophomore girls' society, announced Wednesday evening the following girls to carry on their work for next year, 1922-23:

- Eleanor Peters.
- Lucile Majors.
- Myrtle Uptegrove.
- Frances Mentzer.
- Lucile High.
- Wilma De Fored.
- Rosalie Plattner.
- Isabel Evans.
- Peg Haskell.
- Martha Dudley.
- Goldie Young.
- Thelma Cathpole.
- Edna Boorman.
- Kathryn Warner.
- Mildred Othmer.
- Glee Gardner.
- Dolores Bosse.
- Dorothy Davis.
- Catherine Koch.
- Bess Withers.
- Dorothy Duggan.

DR. STEINMETZ WRITES ON FUTURE OF RADIO

Noted Electrical Genius Gives Out Many Advanced Theories Concerning Radio

"Although radio telegraphy is never likely to replace ordinary telephoning between two individuals, it is possible that radio transmission will be employed in sending toll messages from city to city," says Dr. C. P. Steinmetz. "Future developments in radio may bring about some interesting discoveries, among them the establishment of the fact that radio waves pass through the earth as well as through the air.

"Now that we have radio in such a high state of development, no place need ever be out of communication with the rest of the world. In times of disaster, when other means of communication are cut off, when wires are destroyed, the radio can still be used to send messages to other places.

Orpheum

NOW SHOWING SHOWS AT 1, 3, 5, 7, 9 MARK TWAIN'S Greatest Comedy A CONNECTICUT YANKEE IN KING ARTHUR'S COURT

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Styles of blouses will arouse the spirit of school days in her

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of organdy with gingham will add individually to her wardrobe

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