

Society

Registration day rumpus.... and pipe courses, slickers, short hours and no spring afternoon classes big topics of discussion... oblivious of the cares of the day were Betty Lou Elliot, Theta, and Phi Psi Carl Oaley, in the morning, and Betty Lou and Frank Owens, Phi Delta, in the afternoon...big surprise to the ATO's was the marriage of Roy Pelsch in Scottsbluff during vacation... now he proudly shows off his wedding bands and certificate like an old married man... on the Waxing Warmer list is the affair between Willy Andrews, Farm House, and Kappa Delta Lorraine MacCauley—she eats Sunday dinner with him now... Gamma Phi's are complaining no little bit about being bothered with all sorts of calls and specials from Omaha, all to one little gal, Arlene Halenbach... Kappa Sig Thane Davis has hung his pin on Sue Pickering, and the AOP's are clamoring for candy... they'd also like a pin for Charlotte Utt—after DU initiation, of course... together once more, and more and more, are Helen Ann Armstrong, Alpha Chi, and Eric Thor, AGR... Delta Gamma Polly Perkins spends a great deal of time raving over the radio she got for Christmas... with Charlie McCarthy on the front... today's another tea dance and a new feature, a coffee for students and teachers, both in the Sub, and both fun... predictions by fashion mags that all the campuses will take over the epuden shoe vogue... which should be enough, at least, to shake down a few of the "up" hair-dos, if not something like it! Hal...

A.S.C.E. to Hear Reedy Tonight

Engineering Student To Describe Projects
Members of the American Society of Civil Engineers will be addressed by Will Reedy, engineering senior, when that group meets tonight at 7:30 in room 315 of the Union. Reedy will tell of some of the engineering projects he visited while traveling through the southwest last summer.

Illustrating his lecture with about 150 photographs he took while on the trip, Reedy will tell about his impressions of such places as Boulder dam, the Imperial dam, the All American canal, and the Parke dam. Reedy, who visited about 49 projects in the course of his trip, will discuss some of the civil engineering problems involved in the construction of these projects.

Following Reedy's talk the group will elect officers for next semester.

Phi Sigma Iota to Hear Misses Tooley, Bullock

Mary Tooley and Katherine Bullock will talk before members of Phi Sigma Iota, romance language honorary, when they meet at 7:30 tonight at the home of the vice president of the group, Pat Lahr, 2537 Minner.

Miss Bullock's subject is "Chateaubriand, Poet, Statesman and Lover," and Miss Tooley's "The 100th Anniversary of Louis Quatorze."

STUART
Now Showing!
ERROL FLYNN
in
"The Down Patrol"
with Basil Rathbone—David Niven
COMING SOON
"Kentucky"

LINCOLN
Now Showing!
"Young Dr. Kildare"
with Lew Ayres—Lionel Barrymore
—PLUS—
"LITTLE TOUGH GUYS IN SOCIETY"
It's Coming!
"STAND UP AND FIGHT"

Lowly Rotifer Brings Fame To D. D. Whitney, Whose Researches Earn Coveted 'Star' Rating of A.M.S.

Dr. D. D. Whitney, chairman of the zoology department, is one of the few United States scientists who has been given the coveted star rating in American Men of Science. He received the honor some years ago in recognition of his extensive research with rotifers, jelly-like microscopic organisms that live in water.

Such stars are added only to the names of a few scientists whose researches have contributed significantly to the knowledge of physical and natural laws, and the rating placed Dr. Whitney among the ranks of the internationally famous.

Among the discoveries of the university zoologist is the proof that rotifers comprise the only species whose male and female offspring can be controlled by the nature of the food eaten by the grandmothers.

Ph. D. Thesis.

As a young student at Columbia university Dr. Whitney was puzzled over the choice of a problem for his Ph. D. thesis when suddenly he decided to learn more about rotifers. Scientists at that time were wondering why all the female rotifers would produce generation after generation of females and then suddenly give birth to so many males. It was a baffling problem that the zoologist set out to solve.

First, he placed thousands upon thousands of the tiny organisms, and carefully studied each generation under the lens. Consideration was given every factor that might be responsible for the change of sex in the offspring. All the while the young scholar was experimenting with new cultures and different diets. One day it occurred to him that as long as there was plenty of water in ditches and ponds, all the offspring were females, but as the hot months appeared, and the water holes began to dry up, the succeeding generations were both male and female.

Another point he noticed was that as the ditch water began to dry up, a green scum appeared over the surface. As this scum began to form, the male rotifers became more abundant. Dr. Whitney decided then and there that diet was an important factor. The next step was to develop two diets for the laboratory rotifers which would be similar to the colorless micro-organisms found when water was plentiful and one similar to the green plant like organisms present when pools begin to dry up.

Taking some timothy hay and

making a tea from the leaves and adding to it a colorless fluid made from boiled bone meal, the university zoologist began feeding his rotifers a colorless microorganism which grew in this new substance and then watching for results. Incidentally, this new food contained small organisms known as polytoma, considered a rare delicacy by the rotifer. By boiling the water, all other organisms were destroyed and when polytoma alone were added they multiplied to millions or more in a few hours. Many millions of the green microorganisms were raised at the same time in solutions of beef and liver. This culture was kept in the sunlight.

As the female rotifer lays eggs almost hourly, he hadn't long to wait. Bending over the microscope one day, he suddenly came to the conclusion that the grandmothers which had been fed on this new green diet began producing females whose offsprings were male as well as female. Whenever he fed a grandmother rotifer on a diet of the colorless microscopic organisms, polytoma, all the grandchildren were females, but when he changed the diet so as to include the green microorganisms, nearly all the grandchildren were males. Here was one of the outstanding contributions of recent times.

The university scientist established something of a record by raising 526 generations of rotifers—all without a father. For most seasons of the year the female rotifer has no mate and does not need one. Nevertheless the male plays an important role in the perpetuation of the species as Dr. Whitney has proved.

Fertilized Eggs Tougher.

Investigation revealed that the unfertilized eggs of the female were of vastly thinner skin than the fertilized eggs, resulting from the union of the two sexes. As drought and hot weather jeopardize the very existence of the rotifers because of the drying up of ditches and ponds, nature comes to the rescue and produces the green scum on the water which in turn brings about the birth of the males. With the males present, the eggs are fertilized and develop a thick, tough covering which protects the delicate chromosomes. The unfertilized eggs with their thin skin, can withstand neither heat, cold nor drought. Thus the males insure future generations of the species, even though creeks, ponds and ditches dry up for months at a time or freeze over in winter.

Rosen to Speak At Frosh AWS

City Group to Hear Pop Club President

George Rosen, president of the Corn Cobs, will talk to the regular meeting of the freshman A.W.S. tomorrow at the city campus meeting. No meeting will be held at an college because of the "conf" being given by the A.W.S. for the faculty.

Ersk Holland will preside at the city meeting and Betty Jean Benson will serve as secretary.

The members of the freshman A.W.S. have been assisting with the "conf" which is to be given tomorrow by the A.W.S. by inviting the members of the faculty to the affair.

Bizad Fraternity Hears Potter Talk Tonight

Members of Delta Sigma Pi, professional bizad fraternity, will hear H. W. Potter, secretary and treasury of the Lincoln Telephone and Telegraph company, speak on "Government Spending and Its Effects on Business" when they meet tonight at 8 o'clock.

All members, pledges, and other interested people are urged to attend.

Union Program

- WEDNESDAY
9:00-5:00—Extension Division meetings, rooms 305, 313, 315, 316.
1:00—Faculty woman's club, parlors X, Y, Z.
3:30—A. W. S. reception English department, A, B, C.
5:00—Student Council, parlor Y.
5:00—Gamma Lambda, room 209.
5:00—Mu Phi Epsilon, room 316.
5:00—A. S. C. E., parlor Z.
7:00—Phi Chi Theta, parlor A.
7:30—Delta Sigma Pi, room 316.
7:30—Corn cobs, room 313.
8:00—Pi Kappa Lambda, parlor X.

Dr. Hunt Speaks At YW Vespers

Minister Avers Strong Tide Against Religion

Dr. Ray E. Hunt, minister of the First Christian church, gave the address at the weekly meeting of the Y. W. C. A. vespers held at Ellen Smith hall Tuesday afternoon.

Dr. Hunt was introduced by Mary Ruth Rhoades following the choir's singing of "Holy, Holy, Holy." Dr. Hunt talked about the strong tide against religion today. He pointed out that great nations today have abandoned their religious faith for other philosophies of life. "The world today is restless," said Dr. Hunt, and "science is interested in means, not ends." Dr. Hunt closed his talk with a prayer.

Wilson college is filming its students while walking to aid them in correcting posture and walking deficiencies.

Kappa to Award Grad Fellowships

Application Deadline Set for Saturday Noon

Application blanks for the three \$500 Kappa Kappa Gamma graduate fellowships must be filed by Saturday noon with Dean Harper or in the office of the dean of women.

These scholarships are offered by the national Kappa chapter to graduate women regardless of fraternity or non-fraternity membership on any campus where there is a Kappa chapter.

The blanks may be obtained from Dean Harper or Mrs. Westover in Ellen Smith, and may be filled out on the regular university scholarship forms. The fellowships will be awarded the first semester of 1939-40.

Since their introduction four years ago, three scholarships have been awarded non-fraternity members and two to members of Panhellenic groups. Any questions concerning applications may be addressed to the chairman of the fellowships, Mrs. R. L. George of 6233 N.E. 35th st., Seattle, Wash.

Music Students Present Convo

Advanced Students Give Recital This Afternoon

The advanced students of the school of music will present the thirteenth convocation of the year this afternoon at 4 o'clock in the Temple theater. The program is as follows:

- Debussy, Cadenza of the Flute (Mr. Harrison); Mary Jane Chamberlain; Schubert, Mazurka; Heine, Romance; Schumann, In the Garden; Maurice Strakosky (Miss Strakosky); Francis Horn; Liszt, The Gipsy March; Tom "LA George"; Chopin, The Chant of Your Eyes (Mrs. Tappan); Mae Johnson; Mozart, Eine Kleine Nachtmusik; Calvin Brown; Verdi, Duet from Act III "La Traviata"; Mrs. Costello; Modest Albin and Clara Kluender; Valse; Variations (Mr. Holter); Johnson Brann.

Style School Offers Funds

Five \$700 Fellowships Open to Women Seniors

Tope-Coburn school for fashion careers, in New York City, has announced five fashion fellowships of \$700 each to be awarded to women members of the 1939 graduating class of accredited colleges and universities.

Miss Elsie Ford Piper, acting dean of women, received the announcement of the prizes recently and the application blanks, which must be returned by Jan. 31.

The fellowships are for the school year from September, 1939, to June, 1940. The course prepares students for executive positions in fashion businesses, such as buying, styling, merchandising and advertising in department stores; in fashion writing, editing, advertising and promotion with magazines, newspapers and advertising agencies.

Applicants must have registered by Jan. 31, must return a set of qualifying questions by March 1, and must write a report and submit it before April 10. Announcements of the outcome will be made by May 1.

Further information may be obtained from Miss Piper, Miss Margaret Fedde and Prof. Dwight Kirsch have offered to consult with applicants.

Red Guidon Association To Elect Officers Tonight

Red Guidon association will meet this evening at 7:30 in the motor transport laboratory. Election of officers will be held after which the meeting will adjourn in time for members to attend the reserve officers stag party to be held at the Lincoln hotel.

Daily Nebraskan

Entered as second-class matter at the postoffice at Lincoln, Nebraska, under act of Congress, March 3, 1879, and at special rate of postage provided for in section 1108, act of October 3, 1917, authorized January 20, 1932.

TOMORROW—12 NOON
THE PICTURE YOU HAVE BEEN WAITING FOR!!!

"ANGELS WITH DIRTY FACES"

"... THAT AMERICA'S DIRTY-FACED KIDS MAY NOT GROW UP WITH DIRTY SOULS!"

We hopefully dedicate this picture to the thousands of boys who today must choose between crime and honesty!

WARNER BROS' dynamic dramatic hit, with

JAMES CAGNEY
PAT O'BRIEN

THE 'DEAD END' KIDS
HUMPHREY BOGART
ANN SHERIDAN

ENTRANCE:
Tantalus Musical
ALL COLOR
"SWING TIME IN THE MOVIES"
Latest World News

Prices:
Before 1 P.M. 20c
1 to 6 P.M. 25c
After 6 P.M. 25c and 35c

FREE PARKING AFTER 6 P.M. 1947 P STREET

VARSAITY
NEBRASKA THEATRES, INC.

DAILY EXCEPT SUNDAY FROM 12 NOON

TONIGHT 8:30
FOR
QUIZZER BEE

ENDS TODAY • **LYOUD C. DOUGLAS** "WHITE BANNERS"

TONITE GEORGE SHUEY
and HIS DIXIELAND SWING BAND
A Favorite with Lincoln Dancers
DRANCE FRIDAY—**CARL NEBBS**
SPECIAL Featuring the Electric Organ
KING'S Ballroom 25c PER PERSON