

# Know Your College . . . Grad School Offers 46 Fields of Study

By Tom Rische.

The improvement of all facilities for graduate instruction and research and expanding research in all fields of endeavor.

That is the "dream" of the Nebraska graduate college, which offers advanced study in 46 fields at the present time.

Students who have received their bachelor's degrees from a university and are working on their masters or doctor's degrees are registered in the Graduate college.

These students plan to go into teaching in colleges, or into research work for some company or the government. Some students enroll in graduate courses in order to broaden their knowledge without intention of receiving a degree.

The faculty of the Graduate college includes professors from all departments in which advanced courses are offered. The faculty usually instructs undergraduates within the various departments and colleges as well as graduate students.

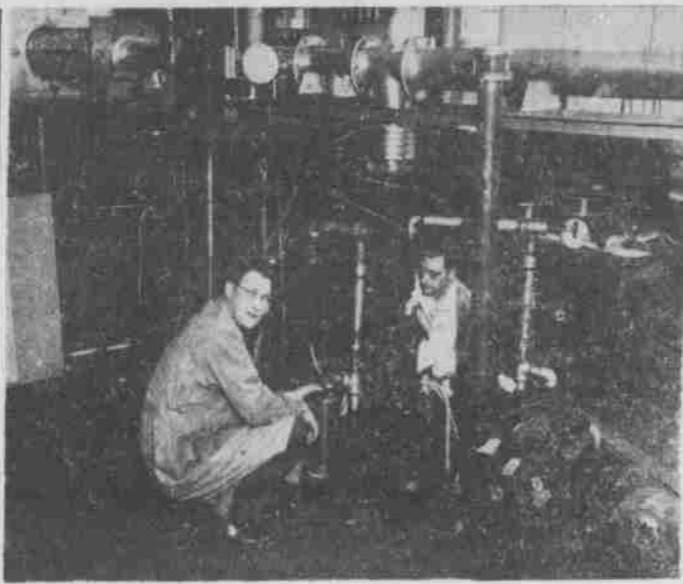
### More Interest.

There has been a great deal more interest in graduate work since the war. There are 932 students taking graduate work during this semester, as compared with 380 for the same period ten years ago. The present enrollment is the highest number ever taking graduate work during one school semester. The lowest enrollment in a number of years was recorded during the last war years, reaching the lowest point during the 1945-46 semesters.

Twenty-eight doctor's and 137 master's degrees were issued by the college in June, 1949.

The study for advanced degree entails an intensive study of the field in which the student is majoring. The master's degree requires one year of study. Students who plan to teach in college or to engage in research are required to write a thesis on a subject within their interest field. After completion, two copies of the thesis are placed on file in Love Library.

Students planning to teach in secondary schools or to engage in some civil service work are not required to write a thesis. If they later decide to take their doctor's work, they must demon-



**DIRTY WORK**—Charles Cook, graduate student, and C. T. Arntzen work on the ion accelerator in the Physics building. The machine was made under the supervision of Dr. Theodore Jorgenson, chairman of the Physics department. The machine is being used in an attempt to find the fundamental range-energy relationship of ions in gases. (Rag Photo by Rod Riggs.)

strate their ability to carry on independent research.

### 30 Graduate Work.

Before becoming an applicant for doctor's study, the student must have completed 30 hours of graduate work. He must take at least half of his work in courses relating to his major. He must also write a thesis, which after completion is printed in abstract form along with the other dissertations for that graduating class.

Kwan Chung Tsou, of Shanghai, China, is working for his doctor's degree in chemistry. A graduate of the National Central University in Nanking, he came to the United States after the war. The University of Nebraska was strongly recommended to him by an American soldier with whom he became acquainted after investigation he found that the University had one of the

better graduate colleges of chemistry in the country.

For his doctor's thesis, Tsou is studying the possibilities of using a compound similar to nitrogen mustard as a cure for cancer. While nitrogen mustard will aid in the cure of cancer, it is toxic to the patient. Tsou and others are working on possible alternative compounds which may form a possible cure for cancer.

### Thesis.

As soon as his part of the research is complete, he will write

a thesis explaining the steps taken in all his research. The thesis will include theory and a description of all experimental work, successful or not, of synthesizing these compounds. The actual writing of the thesis should take about two or three months, Tsou said.

Tsou spends most of his days, as well as many evenings and Saturdays in research for the project. He spends most of his time in research, although he attends about ten hours of class each week.

If the political situation in China permits, Tsou would like to return to China as a college instructor or to work in some industry or research.

Henry Angelino is working toward a Doctor's degree in educational psychology and measurement. This involves a study of individual psychological characteristics and measurement of the mental and personality traits.

Students majoring in psychology are required to go on traveling clinics which travel to different schools throughout the state testing students in elementary and high schools. Every student is required to do some part time teaching also.

Angelino is teaching part time in the Sociology and Education departments. For his thesis, Angelino is making a study of results of the "Rosenzweig Picture Frustration Test."

The test is composed of a number of pictures presenting situations which would be frustrating to the average child. The child is then asked to tell what he thinks the reaction of the child in the picture would be. Unconsciously, he gives in this response his own reaction. In this way, something of the child's personality can be shown.

Angelino is correlating the results of the study by Dr. Rosenzweig with his own findings, obtained by tests given to more

than 500 Lincoln school children. He then checks with the teachers of these children to see if the results obtained by the tests check with the behavior of the children in school.

Angelino has spent nearly two years in this study. His thesis will compare his own findings with those of Dr. Rosenzweig. The aim is to determine whether or not the test is an accurate test of personality.

### NYU Graduate.

Angelino graduated from New York University, and received his Master's degree from the University of New Mexico. He first came to Nebraska in 1938 as supervisor of the archaeological laboratory. He came to the University partly because he had married a Nebraska girl, and partly because he believed that Nebraska had one of the better educational psychology departments.

He hopes to be able to obtain a combined teaching and research job in some University or college.

Many of the students within the graduate college are graduate assistants in some capacity. There are 41 graduate full time instructors, 22 part time instructors. About 150 have other assistant jobs.

Graduates of 158 institutions representing 34 states and 13 foreign countries are at present working toward their Master's degree.

Doctor's degree candidates represent 42 colleges and universities in 22 states and two foreign countries.

School administration is the most popular graduate course offered. Ninety-four students, including many school superintendents in small towns, are enrolled in this course. Other more popular courses include educational psychology and measurements, chemistry, rural economics, secondary education and agronomy.

### Since 1909.

Graduate instruction in the University began in 1885. A graduate school was organized in 1895, and the present Graduate college was established in 1909. Robert W. Goss, present dean of the college, has served in that capacity since 1941.

As dean of the college Goss is in charge of all University research, is a member of a policy committee which prepares all matters to be presented to the Board of Regents, and serves on the University Building committee.

He is assisted by Harold E. Wise, assistant dean since 1948, who handles all admissions to the college and supervises the questions of student requirements.

At least 37 graduate fellowships worth \$300 or more are available to deserving students. There are a number of smaller grants covering only tuition or with a small stipend.

Dean Goss hopes that of ten proposed men's dormitories to be built, one will be available for graduate students only.



**REACTION TEST**—Henry Angelino, graduate educational psychology student, administers the Rosenzweig Picture Frustration test to a high school student. Noting the student's reactions to each picture is of utmost importance in the test. For other details of test, see story at left. (Rag Photo by Rod Riggs.)

### Meeting . . .

(Continued from Page 1.) things students had been referring to. "This action," Lake stated, "came as a result of lack of use of the building at night. When only 10 or 12 students frequent the Union in the evening hours," declared the director, "it certainly does not warrant its being kept open."

### Low Fees.

Lake explained that this University has one of the lowest fees in the country to operate a Union. "And," he continued, "our fee of \$3 a semester is maintaining two unions. The city building is getting to the point of wear and tear, and it is very expensive to make the repairs and renovations that are necessary."

Lake compared the Union fees of other universities to the ones on the Nebraska campus: Utah university, \$20 per year; Wyoming, \$3 each quarter; Cornell, \$5 each quarter; Indiana, \$6.75 each semester; Minnesota, \$3 each quarter; Wisconsin, \$5 each semester; and Montana university, \$5 each quarter.

Many of these fees include just operation or construction, pointed out Lake.

Even if the fee for Ag students were increased to \$5 each semester, that would mean a fund of \$10,000 a year, explained Lake. Assuming that costs necessary for operation were \$7,000, this would leave only \$3,000 to put in a reserve fund for the expansion.

"The kind of building students want on Ag," says Lake, "would cost about one-half million dollars. At this rate you can see how long it would take before it would be possible to issue a bond," remarked Lake.

### Other Campus Unions.

"We would like to expand," admitted Lake. "Our bond issue will be paid off by 1952. We are lacking a lot here. Students who have the opportunity to see what other campus unions have in the line of facilities and activities come back here and wonder what's the matter," said Lake.

"In one sense," he continued, "we owe it to the students who started the campaign for expansion and improvement in 1935.

The status quo is just not enough on city campus."

As Lake admitted, Ag students claim that facilities are grossly inadequate on their campus. They point out that especially when conventions and outside meetings are held on campus, they have no facilities to accommodate such meetings.

### Voc Ag to Attend April FFA Meet

Plans for the Nebraska State Future Farmers of America convention and judging contests were made at the last meeting of the Voc Ag association.

The convention is scheduled for April 13, 14 and 15 on the Ag campus.

Approximately 100 schools and about 600 high school students will participate in the following Farm mechanics, dairy management, poultry judging, dairy cattle judging, crops judging and identification, farm management, dairy products judging, animal husbandry judging and crops and soils management.

The Ag association will assist the various departments in setting up the contests, directing and supervising contestants and completing the determination of the winners. Senior members in each group will act as chairmen.

The association will provide a lunch stand on the campus grounds.

### Classified

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### NU Dairy Club Tabs Members

The NU Varsity Dairy club, a chapter of the American Dairy Science association, has awarded charter memberships to 12 Ag college students.

The awards were made at a dinner in the Union Thursday evening, March 2. Prof. P. S. Lucas of Michigan State University, the main speaker, discussed "Trends in Research in Ice Cream." Dr. H. L. Templeton of Omaha was program chairman.

The dinner was part of a two-day conference held Thursday and Friday, March 2-3.

Butter-making was the conference discussion Friday. Speakers included V. Schwarzkoff, Chicago; W. J. Dixon, Beloit, Wisconsin; Prof. J. C. Olson, University of Minnesota; H. W. McElroy, Lincoln; Russell Fifer, Chicago; Dr. Templeton, and L. K. Crowe, University of Nebraska.

The Nebraska Butter institute held its annual meeting Friday, March 3.

### United Nations Delegate Plans University Visit

Grace Holmes, representative of the United Nations International Children's Emergency Fund, will visit the campus this week to tell students about the organization with which she works.

On Thursday from 4 to 5 p. m. representatives of various campus organizations will attend a coffee hour for Mrs. Holmes. She will lead an informal discussion about UNICEF at that time. The coffee hour is sponsored by the Nebraska University Council for World Affairs, which is in charge of the model UN general assembly.

Mrs. Holmes will also speak over the radio Thursday morning. The noon she will attend a luncheon given by the presidents of state women's organizations and by Lincoln women interested in UNICEF. The luncheon will be held in Parlor Y of the Union. Afterward, the Lincoln women will conduct her on a tour around the city.

Before Mrs. Holmes took her job with UNICEF, she was active in Red Cross. During the war she did work with prisoners.

### Tri-K Hopfuls Plan Initiation

Tri-K, honorary agronomy fraternity, will initiate 30 new members, Thursday, March 9, according to Dale Flowerday, president of the club.

Men selected for membership have received letters of instruction. They will be required to wear an ear of corn attached to a green and gold ribbon around their necks for the two days preceding the initiation.

"Tradition holds," Flowerday said, "that suitable punishment will be given for kernels that are missing from the ears of corn."

Erick Nilson is chairman of the eligibility committee and Warren Munson and Charles Stuber assisting.

Co-chairman of the initiating committee are Don Bever and Arnold Nieven. Other members are Gene Heuermann, Wayne Hansen and Norman Swanson.

Flowerday also said that Tri-K will sponsor the annual Crops Judging and Identification contest, open to all Ag students May 13.

### Montgomery Lecture Plans Announced

W. T. Stace, professor of philosophy at Princeton University, will deliver the lectures during the annual Montgomery Lectureship on Contemporary Civilization, March 20-24.

Professor Stace is a noted humanist and author of several books in this field. His book, "Destiny of Western Man," has been acclaimed one of the finest on philosophy.

The Montgomery Lectureship, sponsored by the University Research Council, was established in 1946 from the income of the James Montgomery Memorial.

Benjamin Boyce, professor of English, said that the purpose of the lecture is to stimulate constructive thought on contemporary problems.

All lectures will be given in Love Library auditorium.

Program and topics: March 20, Values in General; March 22, Democratic Values; March 24, Why Do We Fail?

### Women Used for Breakfast Test

Not guinea pigs, but flesh and blood women were used recently at Penn State College Medical School to test the necessity for eating a good breakfast.

The scientists wanted to know if there was a difference in the reaction time, output of work, and tremor of a person if that person had or had not eaten a good breakfast.

After months of testing, it was found that without breakfast, output goes down, reactions are slower, and tremor increases.

### N U Bulletin Board

ISA council will meet at 5 p.m. in Room 313 of the Union Monday.  
Theta Chi meets Monday at 7 p.m. in 121 Burnett.

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