Nebraskan Staff Writer

Do you feel that you study

and work better at certain

times of the day? You probably do, according to Dr. Kenneth D. Rose of the University

Dr. Rose and his colleagues

to how a person functions in-

Using a test group of nine students and facilities in the

student health center, Dr. Rose

attempted to discover a dif-ference between the biological

functions of a "day person"

He explained that the test

subjects were housed in a wing

of the health center. They were

allowed to come and go as they

pleased, were fed three

balanced meals a day, and

allowed to eat anything they

much like those the students

had been in before beginning the experiment," Dr. Rose

During the two-week test

period, the subjects gave urine

specimens every six hours and

also took batteries of

psychometric tests at the same

'In short, conditions were

wished between meals.

and a "night person."

Health Center.

tellectually.

Geologist Treves to go south to Anarctica

University of Nebraska geology region. department is going south for the winter - to Antarctica.

Dr. Samuel Treves will leave California December 28 on his fifth trip to the Antarctic for a two-month study of Mt. Erebus, an active volcano on the Antarctic continent. The history and composition of Mt. Erebus will be the object of Treves' study. He plans to bring samples back to the University where tests will be run on them to determine their history. After the project is completed, he will write a report outlining

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The chairman of the the evolutionary history of the work in Antarctica is much like

Helicopters will be used to land Treves on the summit of the volcano. In addition to gathering samples of the rock, he will make geological maps of the site and study its activi-

Treves is one of a team of scientists participating in the U.S. Antarctic Research Program financed by the National Science Foundation. The team will live at the permanent American base at Ross Island but will sometimes sleep in tents on the field.

Treves said that geological

Bag

that anywhere else — only col-der. He explained that the temperature will always be around 32 degrees where he will be working. "Though it will be summer there will be very little snow melting," Treves

All of the clothing and equipment to be used is specially designed for polar weather, and most of the food that the scientists will eat on the field is frozen or dehydrated. It is good and quite easy to prepare, according to

"Since it is summer in the Arctic Circle, daylight will last 24 hours, he continued. "This makes long working days possible."

Dr. Treves explained that expeditions to determine the history of the Antarctic are the first step to future studies. "Once we understand the origin of the region, we can start to relate geological phenomena in the Antarctic," he said.

The department head mentioned that his interest in Antarctic studies began in the late fifties while he was a graduate student at Ohio State University. Ohio State was a data reduction center for samples brought back from the Antarctic during the International Geophysical Year, giving Treves the opportunity to develop an interest in Antarctica.

> GO BIG RED

Campus Calendar

Wednesday, Dec. 10 Nebraska Union

2:30 p.m. Union-Music Committee 3:30 p.m. Jr. Panhellenic Red Cross-Villa Marie Builders-College Days & Tours 4 p.m.

4:30 p.m. AWS Workers Coun il Union-Hospitality **Union-Contemporary Arts** 5:30 p.m. **Engineering Toastmasters AWS Congress**

6 p.m. Phi Beta Kappa 6:15 p.m.

Red Cross 6:30 p.m. Kosmet Klub Workers

Alpha Kappa Psi **NU Wildlife Club** Builders **NU Marketing Club**

7:30 p.m. Math Counselors 8 p.m.

YMCA-Student Involvement 9 p.m. Nebr. Arab Assn.

Kappa Alpha Psi 9:30 p.m. Fellowship of Christian

Dow stops napalm

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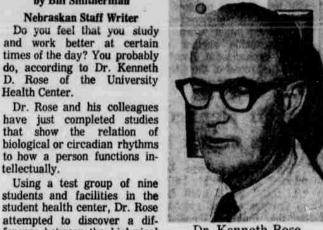
Chemical, sparkplug for countless demonstrations on university campuses in the last three years, has stopped making napalm.

Company spokesmen said the American government awarded the contract for the jellied gasoline several weeks ago to another company American \$10,000,000.

Midland, Mich. (CPS) - Dow. Electric of Los Angeles, when Spanish club Dow was an unsu-cessful bidder for the new contract.

Last year, Dow's board chairman Carl Gerstacker pledged that the Company would continue to make napalm as long as the government needed it.

The contract was worth about



Dr. Kenneth Rose

intervals. The tests measured the level of mental alertness, while the urine samples were used to determine the level of two adrenal gland secretions in

Before the test began, subjects were asked to fill out trineodic charts on themselves at regular intervals, Dr. Rose said. These charts are graphical means of determining when a person considers himself most and

least efficient. On the basis of these charts, the test group was chosen to include three "day people," those who function best in the day; three "night people," those who function best at night, and three who fit in

to give film

neither group.

The University of Nebraska Spanish Club, Circulo Espanol, will show the film "The Young and The Damned" ("Los olvidados") Thursday at 7 p.m. in Live Library.

"Los olvidados" is a drama of juvenile delinquency filmed in Mexico. The film was directed by Luis Bunuel whose early surrealist films include "Un chien andalou" and "L'age d'or."

Student tickets are available for \$.50 from Miss Virginia Shea in room 323-324 of Burnett

Registration date is extended

The registration date for the all team standing. The Uni-Nebraska Union recreation versity of Kentucky was first tournament is being extended to Friday. All students interested in competing in pool, bowling, ping pong and chess may sign up in room 128 of the Nebraska Union.

idea for the experiment came from Patrick Horsbrugh, a former University of Nebraska architecture instructor. Horsbrugh became interested in student efficiency when some of his advanced design students were not doing as well as he thought they should. When Horsbrugh left his

Student efficiency is

Object of NU study

design lab open 24-hours a day and allowed students to work at any time, he found that their efficiency improved. The biological rhythm experiment was an attempt to find out why.

Dr. Rose added that the two adrenal secretions studied are known to have a daily cycle. They are sometimes high and sometimes low.

"In the experiment, we found

that the highs coincide with greatest intellectual efficiency and the lows with least effi-ciency, he said. "In day people and night people, these cycles seem to be almost exactly out of phase." He continued that on the

basis of the data, people who think they work best at night probably do. The same is true for day people, he said. "Through this and later

research, we hope to emphasize that people not only vary in height, weight, and hair color," Dr. Rose added, "but also in their biological rhythms."

"If we try to make everyone fit in a nine to five mold, some people will be at a disad-vantage," he continued.

Dr. Rose said that this data could be put to practical use by students. People that work best in the evening should not sign up for morning classes and day people should not take night

Ag student wins livestock judging

John Jarchow of Daykin, an animal science major, placed first among 180 individuals representing 36 colleges and universities in a livestock judging contest held in conjuction with the International Livestock Show in Chicago, Ill.

The NU team, composed ee Jarchow, Larry Kubicek of Wilber; T. J. Peters of Elk Creek; and Larry Greenwood of Craig; placed eighth in over with 4,599 points, followed by the University of Missouri with 4,593 and Kansas State University with 4,581. The NU team, coached by Prof. R. B. Warren, had 4,543.

future the principle of biological rhythms will be used in planning society. "The day will come when planners, academic and otherwise, will have to consider a 24-hour day rather than an 8-hour one."

"There will need to be much more research into this concept," Dr. Rose said. "Horsbrugh has been at the University recently for the purpose of planning a research program expansion."

The project just completed was financed by the Steinhart Fund through the University of Nebraska Foundation.

Crompton PBK award

Dr. Louis Crompton, fessor of English at University of Nebraska, has won the 1969 Phi Beta Kappa Christian Gauss Frize for his book "Shaw the Dramatist."

The Christian Gauss Prize of \$2,500 is awarded annually for an outstanding book in the field of literary scholarship or criticism. The 1969 presentation was made to Dr. Crompton at the Phi Beta Kappa awards banquet in Washington, D.C., this weekend.

"Shaw the Dramatist," published April 15 by the NU Press, offers the most detailed analysis to date of 11 major plays in the light of Shaw's deas and intellectual milieu.

The book was the subject of an essay review in the June 21 issue of Saturday Review in which John Barnes praised its "new and lively insights into Shaw's career as a dramatist."

Frederick P. W. McDowell, writing in The Shaw Review for September, called the book 'rewarding and challenging, the most important critical work on Shaw to have appeared since Arthur Nethercot's 'Man and Supermen' and Martin Meisel's 'Shaw and the Nine teenth Century Theater. Cultivated readers and specialized scholars alike are in Mr. Crompton's debt. He writes tersely and gracefully."

A native of Port Colborne Ontario, Dr. Crompton earned his bachelor of arts and a master of arts degrees in mathematics from the University of Toronto He holds a master of arts degree in English and a doctor of philosophy degree from the University of Chicago.

Holiday tale 'appealing to all'

The fairy tale musical entitled "The Rose and the Ring" will be presented today through Dec. 13 and Dec. 17-20 at Howell Theater at 8 p.m., Matinees will be at 2 p.m. today and Dec. 13,

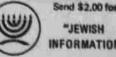
The play directed by Andy Backer is being produced joint-ly by Howell Theatre and the Lincoln Recreation Departs ment. Children from City Recreation will take part in the production which claims to have appeal at every audience

The joking, dancing and fooling take place in the fantasy worlds of Paflagonia and Drim Tartary.

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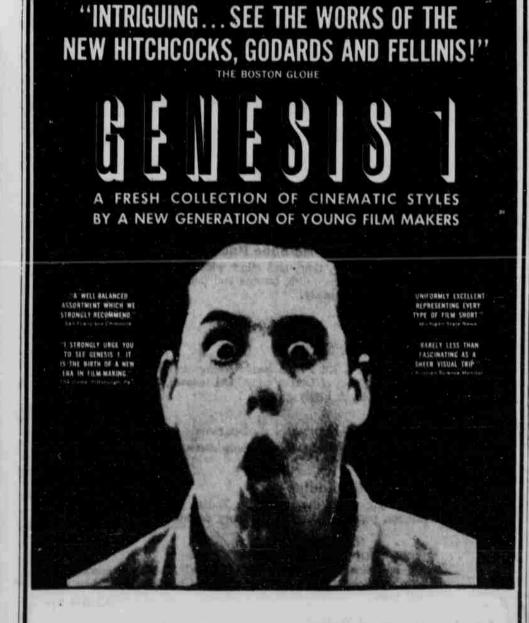
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TONIGHT

LAST CHANCE TO SEE THE FILM PROGRAM OF THE YEAR SHELDON ART GALLERY Wednesday December 10, 7:00 and 9:30 p.m.

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