

# Science Academy Plans Include New Discussion

## Cosmic Ray Discovery, Composition, Late Developments Compose Physics Symposium Explanation For Layman

Between 400 and 450 scientists and laymen are expected to participate in the 63rd annual meeting of the Nebraska Academy of Sciences to be held on the campus Friday and Saturday.

A symposium of cosmic rays, to be presented Friday at 1:15 p.m. at Brace Laboratory auditorium, will be the main feature of the two-day meeting. Meetings will also be conducted by the day and night, penetrating every-thing, including our own bodies.

"We are hoping that this symposium—an experimental project for the Academy—will supply the layman with a sketchy scientific background and some understanding of this interesting field," Dr. Theodore Jorgensen, Jr., physics professor, said.

The symposium will include: Introduction by Dr. Jorgensen; "How Were They Discovered?" by William L. Bade, instructor; "How Do We Look at Them?" by Robert L. Chasson, assistant professor; "What Are They?" by Donald C. Moore, assistant professor; and "Where Do They Come From?" by Edward J. Zimmerman, assistant professor.

At a general session of the Academy at 4 p.m. Friday, Dr. Raymond J. Pool, emeritus professor of botany, will give an address on "The Earlier Nebraska Scientists." The main address at the Friday evening banquet to be held in the Union will be given by Dr. S. B. Shively, chairman of the biology department.

Registration for the Academy sessions will be at 8:30 p.m. Friday in Morrill Hall.

# Grad Applications Due Friday For International Schooling

Graduating seniors who wish to attend summer session of the School of Advanced International Studies should send in applications before Friday.

Only seniors with a major in political science, history, or economics and training in a modern foreign language are eligible to apply.

Applications should be addressed to the registrar, school of advanced international studies, 1906 Florida Avenue, N. W., Washington 25, D. C.

1. International Communism and Current Policies of the Soviet Union.
  2. Theoretical basis of the Communist Struggle for World Power.
  3. Communist Expansion in Europe.
  4. Soviet Union and the Middle East.
- Five full-expense fellowships of \$400 each and a number of smaller scholarships are available and will be awarded on the "Basis of Merit."

The special program of the 1953 summer session, which lasts from June 28 to August 28, is entitled "After Stalin—What?"

Designed to show the impact of Soviet imperialism on the free world, the program deals with ideological backgrounds, techniques of penetration, techniques of control and foreign policies. American and foreign scholars and representatives of government and business will participate.

Courses in the program include:

1. Background and Development of Soviet Foreign Policy.

# Filings Reopen For Fair Board

Filings for the Farmer's Fair Board have been extended until 5 p.m. Thursday.

Six board members consisting of three men and three women will be elected during all-campus Elections May 4.

Bill Waldo, Farmer's Fair Board member, said that students filing for the spring elections must have a 4.5 weighted average and junior standing. He added that students with sophomore standing may file for the board in the fall.

Waldo said that students may pick up application blanks in Dean Lambert's office.

# YMCA May Day Project



**MAY BASKETS . . .** More than 800 of these May Baskets were made by the YWCA. 500 of which have been sold to a local department store. Pictured (left to right) are Neala O'Dell, president; Joyce Laase, treasurer; Elaine Smithberger, secretary; Barbara Rann, vice-president; Janice Osborn, YW director, and Pat Lindgren, district representative.

# Tideland Oil To Be Discussion Topic For Professors At Seminar Series

Tideland Oil—State or National Property is the topic for discussion at the Seminar Series Monday.

Shumate received his AB and MA degrees at the University of California and his Ph. D. at the University of Minnesota.

Lawrence received a law degree from the University and is now editor of the Lincoln Star.

# Gyro Pilot Exhibit Built By Engineers

**By DICK COFFEY**  
Feature Editor

Yesterday's Dream—Today's Reality.

An actual working model of an automatic pilot has been constructed by the department of mechanical engineering for an E-Week exhibit in Bancroft.

The gyro pilot has been under the direction of David Cook, assistant professor of Mechanical Engineering.

All the parts used to make the gyro pilot have been made from war surplus equipment, Cook said in an interview Wednesday.

Its purpose is to illustrate the use of the gyroscope in establishing direction stability, Cook said, and thereby a fixed flight reference for an airplane as it moves through space.

The various units mounted on the model are the actual units used in a B-29 airplane, he said.

**Measurements**

The model plane has a wing span of about seven feet and about eight feet long. The engineers have been working on the model for about four months.

The gyro pilots were used during the war to increase the accuracy of precision bombing and they are in use today in commercial air liners to provide a smoother and safer ride for air travelers.

"An automatic pilot will maintain an airplane on a set course without the aid of the human pilot and will do so more effectively.

"If a sudden movement of air causes the airplane to deviate from its course," Cook added, "the autopilot will move the control surfaces on the wings and tail in such a way as to correct the deviation."

During the period of operation, the model is moved with an oscillating motion by the table on which it is mounted, he said, and this motion represents the deviation of an actual airplane from a set course.

**Sets Course**

"As the nose of the airplane drops, the automatic pilot causes the elevators on the tail to move up. This movement in an actual airplane would cause the air-stream passing over the tail surface to force the tail down, returning the ship to level flight."

"As the airplane banks or turns off its course, the automatic pilot causes the elevators and rudder to move. This movement would correct the deviation in an actual

"Although the model was constructed to show an application of the principles of mechanics to gyroscopic motion in three dimensions in space, it could also serve other purposes.

"It could be used to explain the operation of an automatic pilot to human pilots and to train them in the engaging procedure, and it is an illustration of how the different branches of engineering are not separated but are interwoven in the design of a complex machine."

The Mechanical Engineering department is also demonstrating a gyro car for E-Week in a downtown window display. Cook said, "We have built several gyro cars, but this is the first one that really works."

**TONIGHT!**

**"ANYTHING GOES"**

**NEBRASKA THEATRE**

Curtain at 8 P.M.

A Musical Comedy by Cole Porter

Tickets On Sale At Box Office For Tonight and Tomorrow Night.

# Fourteen Named To Membership In Pi Kappa Lambda



**OUTSTANDING MUSICIANS** Elected to Pi Kappa Lambda, national music honorary fraternity, these 14 students have been recognized for outstanding scholarship. They are (left to right, seated) Charlotte Herrert of Lincoln and Gladys Novotny of Clarkston. (Second row) Stanley Shumway of Lyons; Mrs. Kathryn Baker Robson of David City; Donna Gardner of Lincoln; Mrs. Barbara Schoemaker of Scotia; Nancy Norman of Shenandoah, Ia.; Mrs. Pat Felger Schmidt of Lincoln, and Earl Schuman of Fort Worth, Tex. (Back row) Earl Mitchell of Chadron; Milford Myhre of St. Edward, and Jack Wells of Madison. Not shown are Roma Johnson of Lincoln and Maida Watson of Pierce.

# ORGANIZED HOUSES

# College Students Acquire 'Mother-Away-From-Home'

**By WILLIE DESCH**  
Staff Writer

Mothers are an important feature in every home. Most young people don't realize just how important their job is until they have their own homes. And they don't miss a mother until she isn't around to run after their every move and direct their conduct.

College life is a good test on real dependency for mothers. College students often times become homesick and misdirected in their first few weeks or first year at college. However, in college life every student who lives in an organized house or a dormitory gains a new mother who is always there to be your "mother-away-from-home."

Students don't actually realize the full-time job a housemother has and just how busy they keep themselves at all times.

The day of a housemother begins early in the morning and they are on the go constantly until late at night and all their "children" are well taken care of, both physically and mentally.

A sorority housemother says "we run the house like a happy home, and when everyone pitches in we get something accomplished."

"Every day some counseling is needed for those girls whose feelings are hurt or they have some problems."

"I believe a mother makes a good housemother because she realizes the problems of the girls from experiences gained when she was raising her own children. Also I think a housemother will gain respect from the girls by

showing them respect and understanding."

The duties of this busy little housemother consists of mainly ordering food for meals, planning meals, hiring all help, seeing that all repairs are made and that the house is clean, serving as a hostess of the house at all times and attending to the needs of the girls.

One of the social events housemothers attend is "Chaperone's Club" which meets once a month. The housemothers of all the fraternities, sororities and all organized houses meet for a dessert luncheon. Entertainment for the afternoon is comprised of bridge and music or they have a guest speaker. The last meeting of the year will be a luncheon at a downtown hotel.

A pet peeve of housemothers is that they often times are called "chaperones." "This is misleading because chaperones do not trust young girls and housemothers usually do. Girls are more apt to do guilty things if they know they are not trusted," she said.

"I love it!" exclaimed a fraternity housemother of 20 years, "I have a son and a daughter and I feel towards these boys as my very own children." This is my home and the fun the boys have is my fun also. I try to help them all I can."

She was a housemother for a nurses home during the war years because the houses were closed but she came back because she claims "I like boys better because they don't complain so much."

The big thrill for this housemother is when her boys come home from the service and visit her. She receives many letters

from her boys in Korea and spends much of her time writing to them. At one time she was corresponding with 65.

Like any mother, she is very proud of her boys and is "excited when they win at any event."

The duties of "Moms," as she is called by the boys, consists of daily conferences with the cook for meal-planning, and managing the food, and being responsible for the success of the parties. One thing she especially likes is meeting the boys' dates.

The courtesy of the boys and the understanding and response they show are qualities she ad-

mires about the fellows.

In her free time "Moms" attends "Chaperone's Club," entertains her own Sewing Club, and goes to the various teas to which she is invited.

Traveling is the hobby of this housemother and quite well it should be as she has a son in Manila whom she has visited. For the past three summers she has been on the Stanford campus in California. "I never have a free summer and this summer I think I shall be on the coast again," she said.

"Money can't buy what you get for being a housemother," the fraternity housemother concluded.

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26-30	.80	1.25	1.65	2.00	2.20

# Summer Camp Positions For Coeds Number 200

Over 200 job openings are available to girls wishing employment in camps during the summer.

Coeds seeking positions should apply in person to Miss Pat Sullivan, physical education instructor, Room 200, Grant Memorial Hall. Miss Sullivan is in charge of the University Camp Placement Bureau for girls.

Thus far, the Bureau has received requests for directors, assistant directors, heads of arts and crafts, athletic and horseback riding programs, waterfront directors and assistants, boating counselors, secretaries, business managers, nurses and general counselors.

Alabama, Colorado, Iowa, New York, Maryland, Nebraska, Rhode Island, Washington, Kansas, Maine, California, Michigan, Minnesota and Wisconsin are states where positions are available. If employment is desired in other states, however, the Bureau will try to find jobs in the desired states.

Jobs are open at Girl Scout, Camp Fire Girls, YWCA and private camps and camps for handicapped children.

Salaries for summer jobs range from \$75-\$500 depending on ex-

perience, type of position and type of camp. Generally private camps pay higher salaries than do camps sponsored by organizations.

Mrs. Carol Thornton, Girl Scout executive, will interview applicants in Ellen Smith Hall, April 22.

"Summer camp jobs are actually paid vacations," Miss Sullivan commented. She urged that applications be made as soon as possible for camps select their personnel early.

# Applications Due June 10 For Honor TV Program

The CBS-TV's Wheel of Fortune program of June 26, 1953, has been set aside to honor college students who best deserve to be rewarded for outstanding good deeds or acts of heroism.

Four college men or women from all parts of the country who, in the opinion of the judges, have performed the most deserving deeds will be honored.

Any student who has a story of this nature may submit it to the Wheel of Fortune, CBS-TV, 485 Madison Avenue, New York 22, New York on or before June 10.

# COLLEGE MEN FOR SALE

Earn \$75.00 per week during Summer. Also part time work available School term. This is your invitation to attend group interview at Agricultural Hall, Room 306 at 4:00 P.M., Thursday, April 30th.

# MISCELLANEOUS

LANDING FOR 'KEEP' fares are sponsoring a first anniversary PANTY RAID Thursday evening at 7, at 10th and E. This is an all-university party—raids—classes will be eliminated. To participate you must have your I. D. card punched or at least torn a little.

Daily Nebraskan Want Ads Bring Results.

# FOR SALE

Camera, Pen—Put extra money in your pocket with what you can save on your camera and photographic purchases. I have an agency for a New York warehouse and can effect substantial savings for you when you buy camera supplies. Save over \$9 on a Kodak Boxfilm, over \$11 on an Argus C-3, and hundreds of other similar savings. You owe it to yourself to examine these guaranteed merchandise bargains. For more details call or see Jim Blichert at Men's Dorm A, 2-7601.

STUDENTS for full time work as laborer on the campus during Summer. You can start now if you are able to work full mornings at afternoons. Laborers start at \$1.00 an hour. Apply Personnel Dept., Adm. Bldg 11 & R.R.

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