



TATER TESTING—Three-year old Patty Pansing and her cat, Smokey, aren't really concerned about potato chips being good for testing potato varieties, but they do know potato chips are good to eat. Patty is the daughter of Mr. and Mrs. Thomas R. Pansing of Lincoln and sister of Ginny Pansing, an NU Summer Sessions student.

Things Look Chippier on Ag Campus— Summer Best for Potato Chip Testing

Things are looking chippier on Ag campus this summer. Chippier and chippier, in fact, as this is the best season for making potato chips in the Department of Horticulture.

As potato samples come to the University from various parts of the state, they are tested as to whether or not the variety is good for processing. Potato chips are made from them for this purpose because, according to Robert O'Keefe, head of the potato breeding and improvement program in Nebraska, "what's good for chipping is suitable for any kind of processing such as french fried or instant mashed."

There are distinct differences between processing potatoes and the table variety ordinarily grown in Nebraska. The higher the amount of dry matter or specific gravity, measured by a "potato hydrometer," the better the potato is for making chips and fries. "Usually Nebraska potatoes are low in dry matter," O'Keefe said, "but we're steadily increasing the percentage of acceptable potatoes."

Oil Absorption

The potatoes are also test-

ed to determine the amount of oil they absorb. After some chips are made from one variety, they are ground up, and toluene is added to determine this factor.

The last important quality of a good processing potato, aside from taste, is color, which is determined by the amount of reducing sugars present. The University uses a spectroscope to test the color of the chips, and low reducing sugar content is associated with desired light color.

Since 1952, when testing potatoes for processing qualities began in Nebraska, 686 individual varieties have been screened. Approximately four potatoes from each variety are used and the department can sometimes make chips of over 50 varieties in a single afternoon. The chips are made just as they might be processed in one of Nebraska's four potato chip plants.

Making potato chips not only checks which varieties are best, but also what effect storage has on the potatoes. During the winter, chips are made from stored potatoes, whereas in the summer and fall the department is "really

in the chips," using freshly harvested spuds.

Growing Conditions

As well as storage, the condition under which potatoes are grown plays a large part in the value of processing potatoes. This must be where Nebraska's 85 potato growers

develop their headaches, as not only do they have to consider natural climate and soil conditions, but they are urged to follow published recommendations such as:

"In central Nebraska harvest potatoes only during the early morning and late afternoon when temperatures do not exceed 80 degrees."

In the spring of 1961 the Nebraska Experiment Station Quarterly said, "Each year more than 800 cars of potatoes (600 bushels per car) are used by makers of potato chips in Nebraska. Another 300 or more carloads are required by the drive-ins and other public eating places which feature french fried potatoes."

"Nebraska-grown potatoes comprise probably not over two per cent of these carloads—Nebraska potato growers have not grown the varieties required or have not used growing practices that produce suitable potatoes."

Examples found now of Nebraska's efforts to supply its share of potatoes are these varieties: Haig, 315.48-3x (alias Pioneer, best for french fries), Redbake, Excel, Dozac and Bounty.

★ ★ ★
**For
Your
Summer
Reading**
★ ★ ★

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Where Are the June Bugs?

Where are all the June bugs this year? Many of them must have forgotten this is "their month," as they don't seem to be as prevalent this summer as in the past.

Some species of June bugs have two or three-year life cycles, so in certain years there are more adult bugs than in other years, said Dr. Roscoe E. Hill, chairman of the Department of Entomology.

"It just may be that this is the year the adult June bugs aren't as abundant," he added.

"There are a lot of things we don't know." Weather conditions — the dry spring and the recent moisture — might have affected this year's "crop," Dr. Hill said.

Whatever the reason, if you see Mr. June Bug around your porch light tonight, be friendly — there aren't too many like him around.

High School Math Teachers Learn Concepts at Institute

Forty-four high school mathematics teachers from 13 states are attending the University of Nebraska's second Summer Institute in Mathematics June 11-Aug. 3.

Sponsored by the National Science Foundation, the institute is geared to strengthen the subject matter background of the participants by offering two special courses, one in algebra, the other in geometry.

These courses will emphasize structure and new concepts in interpretation. The participants will be divided into three groups and will meet two afternoons a week to discuss subject matter covered in the morning lectures. These seminars will be two-hour sessions.

About two additional hours each week will be devoted to

a seminar discussion of topics in mathematics which are not ordinarily covered in traditional courses.

Each week a specialist in mathematics from the University campus or elsewhere will visit the institute to lecture and conduct discussions.

Devaney Tells Fall Coaching Assignments

A new emphasis on freshman football at the University of Nebraska was indicated with the announcement by Coach Bob Devaney of the coaching assignments for his assistants next fall.

Two men, John Melton and Cletus Fischer, have been assigned to handle the newcomers. Generally the yearlings have been guided by only one freshman coach, assisted by graduate students. The graduate assistants for next fall are Tom Osborne and Dal Dyer.

The Devaney system calls for the freshmen to be indoctrinated at once in the offense and defense used by the varsity. The first-year players will not be used to demonstrate opponents' plays and defenses as in the past. The varsity scout squad will handle these assignments.

The varsity coaching assignments include Jim Ross, ends and defensive backs; Mike Corgan, offensive backs; Carl Selmer, offensive line; George Kelly, defensive line.

Group to Tour Capitol

The Nebraska Union has planned a tour of the State Capitol Building and Governor's Mansion for Tuesday, June 26. All interested persons are invited to sign up in the Union Program Office and to meet in the south foyer of the Union at 2:00 p.m.

Briefing Team Here June 21

A U.S. State Department briefing team will be on campus this Thursday to discuss the United States' policies and programs in foreign affairs.

Heading the team will be President Kennedy's special representative and adviser on African, Asian and Latin American affairs, Chester Bowles. Other members are Frank M. Coffin, deputy administrator for program for the Agency for International Development, and Robert E. Matteson, member of the Disarmament Advisory Committee and the Arms Control and Disarmament Agency.

Students, faculty and the public are invited to hear a discussion on "New Concepts in U.S. Foreign Policy" at 2:30 p.m. in the Union Ballroom.

The morning session at the Nebraska Center for Continuing Education will be attended by official delegates from all counties in Nebraska.

Girls and Boys Staters Campaign, Hold Primary and General Elections

Nearly 800 Nebraska high school juniors are learning first-hand about the operation of their state government as they attend the 1962 Cornhusker Boys' and Girls' States on the University campus.

And the learning isn't just coming from books and lectures — the delegates have set up their own governments. They conducted campaigns and held primary and general elections for state, county and city offices.

Battling for the office of Girls' State governor in yesterday's election were Candy May of Omaha Benson, the National Party candidate, and Betty Swoboda of Norfolk, candidate for the Federal Party.

Heading the slate for Boys' State Governor were Steve Marcus of Omaha Central High School and Doug Sorenson of Scottsbluff High School.

About 362 Boys Staters and 425 Girls Staters are attend-

Summer Nebraskan

Lincoln, Nebraska

Summer Nebraskan

Tuesday, June 19, 1962

Journalism— An All-State First

Students enrolled in the School of Journalism's program at the University of Nebraska All-State High School Course are participating in the first All-State program.

The School of Journalism joined the department of art, speech and music for the All-State program this year.

The All-State journalists will produce three newspapers, covering the entire All-State program, in addition to a yearbook.

The staffs for these publications will be advised by Professor Robert J. Cranford, newspaper, and Assistant Professor W. J. Morrison, yearbook. Keith Blackledge is instructor for photographic work and Leonard A. Hamsa, teacher of journalism and advisor to student publications in Fremont, will assist in all phases of the operation.

Twenty-eight students will staff the All-State newspaper, and 11 will work on the yearbook.

University Gives Veterinary Aids

The University of Nebraska has awarded educational grants to ten Nebraska students who will continue their veterinary education at neighboring state universities.

Funds for the grants come from a special legislative appropriation administered by the University of Nebraska to help provide veterinary medical training for a limited number of Nebraska students. The University offers pre-veterinary training but maintains no veterinary medical college.

The grants will not be given to the students directly, but will be sent to the institution to help defray costs of education for these non-resident students, according to Dr. George A. Young, chairman of the University's Department of Veterinary Science.

Students selected must have earned at least a "B" average in their pre-veterinary work at the University of Nebraska or equivalent to that average if attending other schools.

University Population Grows

Library Uses New Circulation System

The population of the University of Nebraska grows each year and with it grows the number of individuals to be served by the University libraries. As clientele grows to the 10,000-15,000 range, there is need for a new circulation control system, and that's exactly what has happened.

Last week the University libraries began using a new circulation control called the McBee Keysort marginal punched cards to replace the Gaylord System installed in Love Library in 1948. The Gaylord system was designed to serve the needs of medium-sized libraries.

The number of library users has increased so in the past few years that the shuffling and filing of book cards, the maintenance of registration files and the typing of overdue notices become major clerical operations. "The time has come to shift part of the clerical load back to the library users — our students and faculty," said Richard A. Farley, associate director of libraries.

Under the new charge card file system, used in most colleges and universities, the borrower fills out the charge card with call number, author, title, borrower identification number, signature and address. The card and the date due slip in the book are stamped with the due date.

The card is punched for due date, type of borrower and Dewey Decimal Number. It is filed by hand in the master file. Master file cards are marginal punched, but only for Dewey numbers.

This provides a visual aid in sorting and prevents mixing of Dewey Numbers, as, for example, all the 300 cards have a punched groove in the same place.

When the book is returned it is matched manually with the card in the file. The card

1 0 7 4 2 1	7 4 2 1 7 4 2 1 7 4 2 1 1 7 4 5 2 1	
2 0 7 4 2 1	291527 C	DEWEY NUMBER
CALL NUMBER	AUTHOR	DATE DUE
	TITLE	
VOLUME	COPY	
PERIODICAL DATE	IDENTIFICATION NO.	BORROWER'S SIGNATURE
NO. DAY YR.	STATUS	PRINT LOCAL ADDRESS
CENTRAL RESERVE	FACULTY	
EDUCATION	GRADUATE	
HUMANITIES	UNDER GRAD.	
SCIENCE	NON ACAD.	
SOCIAL STUDIES		
STACKS		
CHECK-OUT SYSTEM—This is a reproduction of the McBee Keysort marginal punched cards now being used by the University libraries for checking out books and periodicals. The borrower fills out the card which is then punched for filing and statistical purposes.		

is pulled and set up for a is completed the card is destroyed.

The new system allows the library staff to compile statistical data as to how many books have been checked out by undergraduates, graduates and faculty, and how many have been checked out in a semester or summer session, said Miss Mary M. Doak, public service librarian. Research has not been done in the past because it was too costly to hire enough staff to do the job, she said.

Needle Sorting

Under the new system, the entire file can be needle sorted by hand. All cards for books checked out by faculty members, for example, are punched in a square marked "faculty." When the file is needle sorted for faculty check-outs, all cards punched for faculty will fall out to be statistically recorded.

Periodically the entire file

is pulled and set up for a is completed the card is destroyed.

Overdue notices are prepared by photocopy, and the charge returned to the file. Photocopies of the charge are placed in window envelopes has supplied his name and address on the original card.

This new system for overdue notices will eliminate having a clerical staff type all overdue notices.

Less Costly

The new system is less costly than the old one in that it saves on clerical and library staff needed, Miss Doak said. A major clerical job faces the Loan Desk personnel this summer as the master file must be copied on McBee master cards.

"The master file should be about half the size it is now when we get through," Miss Doak said. She explained that the punched cards will eliminate having to put a clip on master file cards.

Besides saving on library

staff and clerical work needed, the new circulation system will teach students what call numbers and title pages are, said Miss Doak. "This is going to be a good thing."

"We've been highly pleased with the cooperation of the students and faculty this first week," Farley said. "We've had only a few complaints because they check out so many books. I'm just waiting for one of them to bring a rubber stamp of their signature and address — it is acceptable, you know," he added.

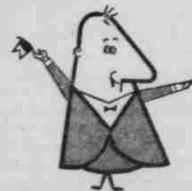
So, for the first time in 13 years, a major change has been made in the circulation control system of the University libraries. "The next logical step is IBM machines," Farley said. "At the moment our volume is not great enough, but when we get 15,000 students, perhaps we'll take that step."

Degree Applications

All students who expect to receive bachelor's or advanced degrees or teaching certificates at the close of the summer session in August should apply by June 26, 1962 if they have not yet done so. Application should be made at the Registrar's Office, 208 Administration Building, between the hours of 8:30 a.m. and 4:30 p.m., Monday through Friday, or 8:30 a.m. to 12 noon on Saturday.

NU Professor to Sing For Eight Governors

Leon Lishner, Professor of Voice at the University of Nebraska, has been invited to sing before a gathering of eight governors and other dignitaries from the oil producing states of the nation on June 19, when the state of Nebraska will host the Interstate Oil Commission in Omaha. Professor Lishner will present a varied program of songs.



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SUMMER READING—The staff of Love Memorial Library recommends a group of books each week for your summertime reading enjoyment. For a brief review of the books recommended this week, see

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POPULATION EXPLOSION—Suburbia is crowding the cows' grazing land in Nebraska's Sarpy County. A report of the effects of the population explosion and urbanization appears on

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HIGH SCHOOL VACATION—Many Lincoln high school students have a new summertime "vacation" activity. For a report of what these students are doing this summer, see

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TELEVIEWING—KUON-TV presents a complete listing of programs for the following week on

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UNDER MILK WOOD—The Nebraska Union Artist Series will present the play Under Milk Wood tomorrow night. For further information, see

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