

Institute Rewards Students

Two University engineering professors and a graduate student have received the Wason Medal for research in concrete from the American Concrete Institute.

They are Professors Merlin L. James and Gerald M. Smith, both in engineering mechanics, and Loren D. Lutes an honor student who received his bachelors and masters degrees from the University in 1960 and 1961. Lutes is now pursuing advanced study at the California Institute of Technology.

The American Concrete Institute, an association of more than 10,000 members, selected the Nebraskans for their work in analyzing and measuring the response of reinforced and prestressed concrete to vibrations. Their research paper was termed the most significant of all 1964 research publications in the field by the Institute's selection board.

Smith also received the Wason Medal in 1962 with the late Professor C. H. Scholer of Kansas State University. James is a native of Lincoln and received both his undergraduate and advanced degrees from the University.

University Dean Attains NEA Post

Dr. Wesley C. Meierhenry, assistant dean of Teachers College, will be the new president-elect of the Department of Audio Visual Instruction of the National Education Association in 1967-68.

An authority on programmed learning and the teaching machine, he was elected at the Department's annual meeting in Washington earlier this month.

During the 1968-69 school year, Meierhenry will become president of the department, which consists of 6,500 members in universities and colleges in every state.

Two other University staff members are holding or have just completed NEA national offices. Dr. Galen Saylor, professor and chairman of the department of secondary education, is the current president of the Association for Curriculum Development. Dr. Rosalie W. Farley, associate professor of elementary education, has just completed a term as president of the Department of Rural Education.

Union Changes Weekend Movie

The Nebraska Union's weekend film has been changed from "Hud" to "Butterfield 8."

"Hud" did not arrive because of mailing difficulties, according to Kris Bitner, film committee chairman. Miss Bitner said the film will be shown at a later date.

Nebraskan Want Ads

These low-cost rates apply to all classified advertisements in the Daily Nebraskan: standard rate of 10¢ per word and minimum charge of 50¢ per classified insertion.

MUSIC SALE
MUSIC SALE - Annual sale on music books. Prices drastically reduced. Values from 50¢ to \$2.95. NEBRASKA BOOK STORE.

FOR RENT
NEW APARTMENTS - for upperclassmen near University. One-4 room beds, full bath, available now. Built in kitchens, air-conditioning, private utility, laundry facilities. \$55 per student. Call Jerry Gentry.

Getty House, 2149 Orchard, University approved. Nice private room, cooling, T.V., 477-6268.

Large Apartment, near campus. Also, Efficiency Apartment. Males only. Call 435-4044 evenings.

Apartment available for 1 or 2 boys. 3410 Dudley. 434-4077.

WANTED
Recent faculty appointee and wife desire furnished apartment or small house of suburban professor or other. 1 to 2 year lease, beginning June. Reply in full. 400 Whitney Avenue, Apt. 10, New Haven, Conn.

UNIVERSITY RECORDER SOCIETY
Interested Recorder Players. Call or see Richard Vytiral, Room 315, Music Building.

TRYOUTS
Tryouts for jazz vocalist, male or female, to be featured at the Phi Mu Alpha concert will be held March 10, 8 p.m., North Party Room, Student Union. No appointment necessary, just come prepared to sing two jazz selections.

MISCELLANEOUS
We guarantee better grades with Strategy of Study, a new scientific system. Send \$3 to: Human Systems Analysis, P. O. Box 2259, Stanford, California 94305.

FOR SALE
Model S.F.D. Friden fluxewriter, with stand. Like new. Less than 100 hours use. Will sacrifice. Call Mr. Gromley. 466-6947.



A MATH MAJOR'S HAVEN . . . of computers to solve difficult problems is located in the Nebraska Hall computer center. The computers are available to anyone who provides his own programming and cards.

Math Troubles? Computers Provide Miracle Solution

By Randy Irey
Junior Staff Writer

Math majors take note — there is a place where you can have those long problems done in less time than it takes to write them.

This miracle solution to math problems can be found in the computing center in room 218 in Nebraska Hall which is open to all administrators, faculty and fulltime students.

If the individual provides his own programming and cards, there is no charge for unsponsored projects requiring less than five hours of computing time. For longer projects, a special request must be made to the computing center committee, according to Dr. Donald Nelson, director of the center.

He said that consulting, programming and keypunching services are provided by the center for a charge.

The computer used by the center is an IBM 7040, which replaced another IBM computer last December. This new computer has approximately twice the capacity for storage as the previous one and can work up to forty times as fast. The computer is rented at a cost of \$16,000 per month.

Specifically, it has the capacity for 32,000 six character (letter) words or the same number of two digit words (number).

"It's even possible to get the computer to talk or sing," explained Nelson.

"The computer emits a frequency and when it's being used you can tune a radio to the computer's frequency. After a while you can learn to recognize patterns. It's even possible to create your own programs. Once we programmed an IBM 1620 to play a fugue by Bach."

Nelson noted that the use of computers has grown fantastically in the three years he has been on the campus. When he first came here, the only computer was an IBM 1620, which "wasn't used much".

Only about \$2,000 worth of income came into the center.

"The following year, we installed an IBM 1410 and income rose to \$8,000. Last year income neared \$15,000," Nelson said. "Since we received the new 7040, our income has risen to \$30,000 per year."

As director of the computing center, Nelson's main duties are to direct and watch over the facility. In addition, he must approve the projects before the computer can be used. "This is to keep people from drawing pictures of Alfred E. Neuman when a project with more value could utilize the facility," he said.

Working under Nelson is a staff of six whose main job is to keep things running. They orient the users of the computers to its operation. They also serve as consultants and help in programming the computer.

Each project requires a separate program, or direction, for the machine to follow. Nelson explained that programming was like playing a game, "as long as you follow the rules, you'll do alright."

The computer has two basic conditions in its memory. It's either one or two, yes or no. The computer is built on this basis of memory.

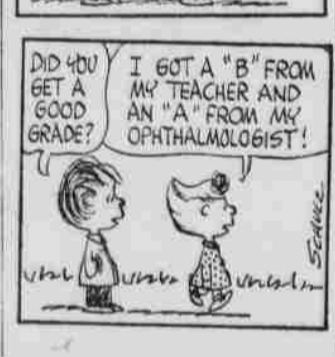
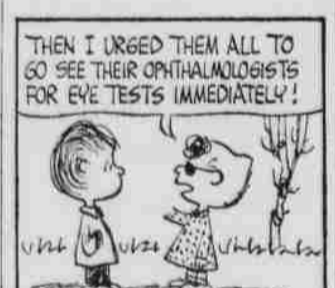
The computer center is not the only location of computers in the University which are available for research. There is an IBM 1620 in Ferguson, one on the East Campus, and one in the medical college in Omaha.

Plans call for a new computer for the center in the near future. It will be an IBM 360, model 50, which is ten times faster than the 7040, but rents for about the same price \$16,000 per month.

Nelson predicted the appearance in the next few years of a tremendous boom in the use of computers in the University. He expects to have remote control "typewriters" for use by the faculty with which they could use the computer. The individual would dial the phone number of the

computer. Next, he would place the phone in the "typewriter" and punch the desired buttons. Within moments the answer would be returned. It could be called "dial-an-answer."

The job of the computer, according to Nelson, is to perform a job which requires an impossibly large number of computations in a short period of time. But he said that it is "a lot easier to take a course in computers" before using the center.



Campus Calendar

THURSDAY

INTER Varsity, 8 a.m., Nebraska Union.

BURLINGTON R. R., 11:25 a.m., Nebraska Union.

PLACEMENT Office Lunch, 12:30 p.m., Nebraska Union.

EMERITI Association, 1:15 p.m., Nebraska Union.

BUILDERS - Campus Promotion, 3:30 p.m., Nebraska Union.

AWS Workers, 3:30 p.m., Nebraska Union.

HYDE PARK, 3:30 p.m., Nebraska Union.

BUILDERS - Calendar & Directory, 4:30 p.m., Nebraska Union.

YWCA - Sr. Cabinet, 4:30 p.m., Nebraska Union.

PEOPLE TO PEOPLE - Social, Publicity, 4:30 p.m., Nebraska Union.

COUNCIL For Exceptional Children, 4:30 p.m., Nebraska Union.

AWS Court, 4:30 p.m., Nebraska Union.

YWCA - Sr. Cabinet, 4:30 p.m., Nebraska Union.

PEOPLE TO PEOPLE - Students Abroad, 6:15 p.m., Nebraska Union.

THETA SIGMA CHI, 6:30 p.m., Nebraska Union.

AUF, 6:30 p.m., Nebraska Union.

PHI BETA LAMBDA, 7 p.m., Nebraska Union.

QUIZ BOWL, 7 p.m., Nebraska Union.

SPANISH Club, 7 p.m., Nebraska Union.

KOSMET Klub Rehearsal, 7 p.m., Nebraska Union.

YOUNG REPUBLICANS, 7:30 p.m., Nebraska Union.

PI MU EPSILON, 7:30 p.m., Nebraska Union.

MATH COUNSELOR Program, 7:30 p.m., Nebraska Union.

HISTOR Y Club, 7:30 p.m., Nebraska Union.

PHI MU ALPHA Sinfonia - Jazz Vocalist Tryouts, 8 p.m., Nebraska Union.

AL CAPP, 8 p.m., Nebraska Union.

THEATRE, 4:30 p.m., Room 103 Temple Building.

YWCA World Community Luncheon, 12 noon, United Christian Campus Fellowship.

CHRISTIAN Science Organization, 6:30 p.m., Cotner School of Religion.

IFC To Sponsor Tutoring Series Every Sunday

Interfraternity Council is sponsoring tutoring sessions in English, biology and chemistry every Sunday night, according to Jerry Olson, IFC scholarship committee chairman.

Olson said the sessions are open to all interested persons and will be held from 7 to 8:30 p.m. in the Nebraska Union, rooms 332, 334 and 345.

The sessions are designed primarily for freshman and sophomore courses.

Olson noted that IFC has obtained individuals "highly qualified to teach in these beginning courses."

Tutoring sessions will be Kathy Frank, English; Larry Leistriz, biology; and John Cooper, chemistry.

Full-Time Manager Proposed For Fraternity Food Program

A full-time manager is included in a proposed new fraternity food program presented in a Food Managers Association (FMA) committee report to the Interfraternity Council.

The manager would coordinate the program, including ordering products and contacting the individual houses weekly to determine the amount of each product needed during the week.

The program, which the committee hopes to have in effect by the fall semester of the 1966-67 school year, begins with each house submitting a two-week menu which is representative of the meals served by the house.

The menus would be reviewed by a graduate student or a staff member of the Home Economics college. About eight menus would be prepared and probably be rotated every eight weeks.

All houses would eat essentially the same food during the course of a week, making it possible to make purchases in large quantities at reduced prices.

Meals and individual products within one week could be interchanged by the individual houses.

Each house will suggest a product and the supplier pre-

ferred by a majority of the houses will be selected. The report states that this would be done to avoid the problem of poor service and quality.

Contracts with the supplier will, in essence, be for an entire semester, but can be terminated at the end of the month with a two weeks notice. The individual houses may cancel their contract the committee can likewise cancel its contract with a supplier.

The report stated that within two weeks a detailed price list will be sent to all houses, listing the prices by selected suppliers if the FMA were currently operating the program.

Duane Jewell chairman of the committee, said in the report, that the amount of mon-

ey saved by the program would offset the amount of money spent on the full time manager's salary.

Jewell pointed out that any house which takes part in the program must order all supplies, under the program or none at all in order for the program to operate efficiently.

Houses which move into the fraternity complex in the fall of 1967 would only be part of the program for one year. After that, these houses would be under the food program of the University.

Two Debaters In Tournament

Two University debaters are participating in the Heart of America debate tournament in Lawrence, Kan., this weekend.

Richard Sherman and Randy Prier will compete at Lawrence with teams from all over the nation, according to Dr. Donald Olson, debate coach.

Last weekend University debaters attended a tournament at St. Thomas College in St. Paul, Minn.

Terry Hall and Vern Jewett won seven and lost three and competed in the final rounds in the Minnesota tournament.

Marilyn Hardee Named Queen

An Alpha Omicron Pi junior, Marilyn Hardee, has been named the College of Dentistry's Miss Impressions. Miss Hardee's attendants are Susie Sitorius, Alpha Delta Pi, and Kay Kramer, Kappa Alpha Theta.

All three coeds will be presented at the dental formal in April. They were chosen from six finalists.

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You can get 50% off the regular Jet Coach fare when you fly TWA in the U.S. If you're between 12 and 22, fill out the form below and take it with proof of age to any TWA office. Buy your membership card for \$3—and the sky's the limit. You fly on a stand-by basis—except for the few days listed below. Note: if you have an ID card from another airline, we'll honor that, too.

And remember, even though you're going for half fare, you always get full service—meals and all. Questions? Call your nearest TWA office. We're your kind of airline.

TWA 50/50 CLUB application form with fields for name, address, school, and signature.

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