


Northeast Today



NMSU

MONDAY, June 20, 1983

HAPPENINGS

MONDAY, June 20

Order caps and gowns, thru Wednesday, Bookstore

TUESDAY, June 21

3 p.m. Senior tests, A/H 103

WEDNESDAY, June 22

6 p.m. Ice cream social, Mall
7 p.m. "The Bugs Bunny/Roadrunner Movie,"
Aud., BH

THURSDAY, June 23

Last day to drop classes with a code
8 p.m. "Thieves," Little Theater, thru Saturday

"THIEVES," a comedy by Herb Gardner, continues at 8 p.m., Thursday in the Little Theater. The first production of the summer theater program ends Saturday. Tickets are \$4 and \$3. NMSU students are admitted for \$1. Reservations can be made by calling the Box Office, Baldwin Hall, at 785-4515 from 12:30-2:30 p.m. or from 6-8 p.m.

SENIOR TESTS will be given Tuesday and July 12 at 3 p.m. in 103 Administration/Humanities Building. Students who plan to graduate at the end of the summer session and who did not take the test during the fall or spring semesters should contact the Testing Office, A/H 103, at 785-4140 in order to have their names placed on the list to take the test on one of the two dates.

STUDENT ID PICTURES are being taken in the Activities Room on the third floor of the Student Union Building from 8-10 a.m. Monday through Friday until July 8.

A **FREE ICE CREAM SOCIAL** sponsored by the Student Activities Board will be held at 6 p.m. Wednesday on the mall. After the ice cream social at 7 p.m., SAB will show "The Bugs Bunny/Roadrunner Movie" in Baldwin Auditorium. The movie is free to children 12 and under. The cost for others is \$1.

PRINTING SERVICES will have auditors checking the inventory on Thursday. No supplies will be distributed Wednesday or Thursday until the count is completed.

RECREATION FACILITIES are available for free play in Pershing Building during the following hours:

Facility	Mon.-Fri.	Sat.
Pershing Arena	3-9 p.m.	10 a.m.-6 p.m.
Racquetball Courts	2-9 p.m.	10 a.m.-6 p.m.
Weight Room	3-9 p.m.	10 a.m.-6 p.m.
Equipment Room	7:30 a.m.-9 p.m.	10 a.m.-6 p.m.

To use the racquetball courts, you must sign up that day.

AN IN-SERVICE WORKSHOP will be held at 3 p.m., June 27, to teach the use of the test-write computer program. The workshop is open to all faculty and staff. Participants can learn how to use the IBM computer to produce quality tests from their own questions. For information contact Lee Bates, assistant professor of industrial education, at 785-4541.

VACANCIES still exist in the "Teaching Primitive Skills" workshop on Friday and Saturday. One hour of graduate or undergraduate credit can be earned in the workshop designed to give participants an opportunity to relive the times in Missouri history prior to 1840. For registration information contact the Division of Health, Physical Education and Recreation Office in Pershing Building or call Wayne Martin, outdoor skills specialist with the Missouri Conservation Department, at 665-8075.

SUMMER RECREATION schedules for this week are listed below. Volleyball teams compete in the women's gym in Pershing Building, and softball teams play on the softball field.

VOLLEYBALL

Monday:

5:30 p.m. Netters vs. 5♀ Plus
6:30 p.m. Netters vs. Live Wires

Wednesday:

5:30 p.m. 5♀ Plus vs. Netters
6:30 p.m. 5♀ Plus vs. Live Wires

SOFTBALL

Tuesday:

5:30 p.m. The Gang vs. St. Charles Thumpers
6:30 p.m. Too Tall Tears vs. US!

Thursday:

5:30 p.m. US! vs. St. Charles Thumpers
6:30 p.m. The Gang vs. Too Tall Tears

WINDFALL, the campus literary magazine, will be on sale Friday from 10 a.m. to 4 p.m. on the second floor of the Student Union Building.

Studies pair professors and prodigies

by Kathy Armentrout, student intern

Researchers at the University are studying the stalk borer, slime mold and mitochondria. This summer they are producing hydroxamic acid analogs and solving problems in physics.

Research on a college campus may not seem unusual, but the researchers are not usually 17-year-old high school students.

Although the subjects may be difficult for the average person, the researchers take their work seriously. "I'm realizing that science is real small steps and not real large steps," Mike Stark of Raytown said.

Stark and four other Missouri high school students are spending their summer doing research for University credit with the help of a research stipend. "There are, to my knowledge, only three such programs in the country," Russell Baughman, assistant professor of chemistry and director of the program, said.

On the basis of grades, academic background and an interview, four students were chosen from 35 applicants to receive the University-sponsored stipends. A fifth student, sponsored by the American Chemical Society through its Petroleum Research Fund, is involved in a similar program.

James Shaddy, associate professor of ecology, is working with Stark on his research on the stalk borer and other agriculturally important insects. "He seems to be a bright young fellow, eager to learn," Shaddy said. "I've been impressed with his attitude and his willingness to get involved."

"It's modeled after similar kinds of programs that major universities have for university students," Baughman said. With the supervision of a faculty member, the student researches a problem. On the basis of his discoveries, the student must write a paper and make an oral presentation.

For his efforts the student receives room and board, five hours of college credit and a \$500 stipend. The faculty member receives no additional compensation. "It's just another indication of faculty dedication to education," Baughman said.

The students are also dedicated to their work. Neal Thompson of Canton is studying mitochondria removal and

the effect of water, stress and heat. "I like it a lot. It's a neat opportunity," he said. "Mitochondria produce energy your body uses, so it's really important to find out the effect of heat stress (on them)."

The stipend program offers the students the opportunity to learn, to work and to explore career possibilities. "I'm learning about FORTRAN and physics," Kirby Cundiff of Kirksville said. "It's nice to have a job where I can learn something instead of doing something over and over." Cundiff is learning to solve physics problems using the computer.

"It's a good experience. This will give me a chance to see if I want to do research for my life," Stark said. "I think it's good that a college is encouraging science instead of football and basketball."

Julie Coy of Brookfield is studying slime mold with an emphasis on DNA repair mutants as her research project. "Slime molds are more like human cells; they eat bacteria," she said. Coy said she was glad to be involved in the program. "It seemed interesting. It's better than sitting at home."

Baughman said the opportunity to have professional research papers published is an advantage of the program. Since many students do not have their work published until graduate school, the program gives these students a head start on their classmates.

For students, the program is helpful. "What I've learned in the past five days, you couldn't put in four weeks of my (high school) biology class," Stark said.

The supervisors are pleased with the students' work and their attitudes. James Dyhouse of Kirksville is trying to produce hydroxamic acid analogs of adrenergic neurotransmitters which may be anti-epileptic compounds. He is working with Kenneth Fountain, associate professor of science. "(He is a) nice kid—the kind of guy you like to hold the ladder for and give a boost up," Fountain said.

The main emphasis of the program is intended to be educational, Baughman said, but students receive additional benefits.

"It's living away from home, learning to wash my clothes, learning to do things on my own," Stark said. "Really it's about growing up, maturing here."

Slime mold with an emphasis on DNA repair mutants is the subject of this research project. Julie Coy, Michael Lockhart, assistant professor of microbiology, and Lisa Ellington, senior, prepare cultures for an experiment during the project. Coy is receiving college credit through the high school research stipend program for her work with the project.

