

The Kentucky Kernel

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LEXINGTON, KENTUCKY

Thursday, July 27, 1972

Where's the sun? It's hot

The sky today is mostly cloudy with thunder showers expected for the afternoon. Chance for rain stands at 50 percent. Temperature will be high in the mid 80's and low tonight in the 60's.

Future is dim for expansion of on campus parking lots

By Mike Poole
Kernel Staff Writer

Few improvements are in the making for the UK parking program this fall despite the parking congestion that occurs in many campus areas.

The only improvements to campus lots are the paving and lighting of the Scott Street lot, and the extension of the "B" lot by Memorial Coliseum. According to Joe Burch, director of Safety and Security, there are no funded plans for any additional parking lots. "We have more parking permits than spaces but not one day have all parking lots been full," he added.

Burch stated that permits are issued on the ratio of 1.4 permits per parking space. The rationale is that all permit holders won't be on campus at the same time.

According to Burch the "C" lot at College Street and Rose Street, and the "C" lot behind Memorial Coliseum are seldom full.

The Cooper Drive parking lot can be used by anybody including those without permits. Burch said 400 to 500 people use the Cooper Drive lot every day.

Burch added that around 9 a.m. every morning, the quickest way to get to campus is to park at the Cooper Drive parking lot and take the bus into campus.

Most of the congestion in University parking areas stems from drivers without permits parking in an area reserved for permit holders.

Permit holders are then forced to park in a yellow or handicap zone. The result is both the non permit and permit holder will be ticketed.

Every year University police

hand out more than 20,000 parking violations and tow in more than 1,000 automobiles.

Last year 95 percent of the cars towed in were guilty of an 'outstanding' violation. An 'outstanding' violation occurs after an automobile is ticketed three times.

A parking ticket is \$2 and a tow charge is \$8, according to Safety and Security. All money collected for parking violations goes for construction of lots, maintenance, and operational expenses of the parking program.

As far as future plans for parking are concerned, Burch foresees no big changes. The Cooper Drive lot will be enlarged with the advent of the new football stadium.

"We're concentrating on larger lots on the periphery of campus," said Burch.



Having a "Fair" time

Like father like son, John Adams and his son John take a break in their visit to the Lions Club Bluegrass Fair at the Red Mile. (Staff photo by Bruce W. Singleton).

Project Hera: Childbirth simulator aids in training student nurses

By Frank Yarbrough
Kernel Staff Writer

In an effort to increase the quality of contact between the expectant mother and nursing student, the College of Nursing is teaching with a childbirth simulator instead of patients this fall.

Hera, a life-size manikin which realistically simulates childbirth, will be used to train approximately 140 nursing students.

Many nursing students are

nervous the first time they come in contact with a patient. Because of this they often tend to concentrate more on procedure than the patient's welfare.

Practicing with the simulator enables the student to feel more comfortable and better able to concentrate on the patient's problems.

Another problem of student-patient contact is the large number of nursing students. This puts a great strain on a patient for a whole group of

students to come in and begin checking fetal heart beats and timing contractions.

Hera is made of foam rubber and is covered with polyvinyl chloride (PVC) gel. The PVC gel simulates the adipose (fatty) tissue of the body.

The outer covering is made of latex rubber to simulate the feeling and strength of skin. The uterus is made of a latex rubber balloon which has two chambers.

By filling the chambers with compressed air, the hardening of the uterus during contractions and the expulsion of the fetus is accomplished. The fetus is made from the same gel-like material as Hera.

Since the force to get the baby through the vaginal canal has to be transmitted from the rear, a spinal column was made from fiberglass resin. This also allows for the flexibility needed for it to pass through the vagina.

Fetal heartbeats are produced through a speaker planted in the chest of the fetus. The speaker is hooked to the main control panel through the umbilical cord.

The volume and intensity of the heartbeat can be directed from the control panel. After the child is 'born' the umbilical cord is disconnected.

To get the shape of a woman in her ninth month of pregnancy a plaster cast is made of a non-pregnant woman and then reshaped. In order to obtain as near as possible a true to life form, the fetus was made from a

Continued on Page 2, Col. 3



Hera, the model mother

Professor A. Virginia Lane, (left), associate professor of nursing and principle investigator on the Childbirth Simulator project, assists Dr. Charles Knapp, assistant professor in the College of Engineering as he prepares the Childbirth Simulator for a delivery.

Fayette judge convicts ex UK professor

Gene Mason, former UK assistant professor was sentenced Monday, July 24, to one year in the state prison at LaGrange.

Mason had been convicted in May of 1970 of receiving stolen property.

Mason's sentencing was the finale after almost two years of appeal.

Fayette Circuit Court Judge N. Mitchell Meade handed down the sentence after denying Mason probation.

Meade said he felt Mason had failed to show "humility" to the court after being convicted. Because of this, according to Meade, Mason had shown that he had not "rehabilitated" himself.

Mason felt his arrest and conviction was the result of a political plot. He stated this in a delivery to the annual meeting of the American Political Science Association in Los Angeles, in 1970.

He had planned to run for the sixth district Congressional seat in 1969.

In the opinion of Meade, Mason lost the probation because he, his wife and witnesses had "perjured" themselves on the stand.

Following his arrest and first conviction, Mason was fired from his job at UK. Since then he has been teaching at Franconia College in New Hampshire.

His late 1969 arrest was the result of an incident concerning a stolen IBM electric typewriter. He had been approached by a man who offered to sell him an electric IBM typewriter.

Mason admitted purchasing the typewriter. He said he did not know the typewriter had been stolen. He said the equipment had been defective and needed repair.

Mason is to be taken to prison sometime this week.

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Hera aids student nurses

Continued from Page 1

human fetus which had died. The idea of the simulator was conceived by Beverly McDermott while a graduate student at Indiana University. She then came to UK as media coordinator for the College of Nursing. Here she approached Dr. Hessel Flitter, then associate dean of the College of Nursing and Professor Virginia Lane. They contacted Dr. Charles Knapp who built Hera. In constructing Hera, Knapp started from scratch. The total overall cost was approximately \$45,000.

To produce the automatic model now would cost roughly \$5,000. A manual model in production is less expensive; somewhere between \$500 and \$1,000.

According to Knapp, "a physician has to use the senses of touch and feel to assess the stages of labor."

Because of the need for realism Hera had to be built of a life-like material, one which felt like skin, and had very nearly the same characteristics. It had to have some amount of dynamic response and reaction to the

touch.

Built in conjunction with the simulator is a device called an Audi-Pointer. The Audi-Pointer does three things. It reviews, tests and then helps guide the student through the simulated delivery.

Sketches of the childbirth process may be placed on the console of the pointer, and a beam of light on the screen draws the students attention to that area.

Cassette tapes prepared by the instructor offer narration for this exercise.

Testing

Testing is accomplished by placing a sheet of multiple choice questions on the screen. The questions are answered by the student with a special pen.

If an incorrect answer is given, the machine will not continue to the next question until the first question has been answered correctly.

After reviewing and testing, the machine will help guide a student through the simulated birth. There may be long periods of silence, however, so the student will not depend entirely on the machine.

Work is being done on two different versions of the simulator. One is an automatic control system in which the instructor could override the program mechanism.

By doing this the instructor could change the contractions of fetal heartbeat to simulate anything which might happen in an actual delivery.

The other model is a manual machine in which a squeeze bulb is used to blow up the uterus and push the fetus out. This is utilized mainly for training firemen and policemen.

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Newman Center to open Aug. 15

By Irma L. Jackson
Kernel Staff Writer

The new Catholic Newman Center on Rose Lane will open on August 15.

The new facilities are built at a cost of \$670,000, and are funded almost exclusively by UK faculty and students.

Students also contributed about 70 percent of the manpower according to Father Elmer Moore, one of the Newman ministers.

There have been several fund-raising programs to help finance the building and furnish the Center, added Moore.

The new building will house a circulating library of religious books on philosophy, theology, and scripture. It will also contain social rooms, lecture rooms, a worship room and staff quarters for three priests and student officers.

Education program

An education program is planned for this fall which includes courses in theology, scripture and pre-marital relations. Anyone interested can attend on a voluntary basis.

The Newman Center has for the past four years sponsored a Trans-Action program to coordinate volunteers to work with several social service agencies in Fayette County, said Moore.

McGovernites to organize

Fayette County Citizens for McGovern-Eagleton will hold an organizational meeting Thursday, July 27, at 8 p.m. in the third floor courtroom of the Fayette County Court House.

All persons, whether Democrats, Republicans or Independents, who are interested in working for the McGovern-Eagleton campaign, are asked to attend, according to Al Goldman, Sixth District Congressional contact for McGovern.

In addition to hearing from delegates to the National Democratic convention, participants will learn about new Kentucky registration procedures and select a steering committee for the Fayette County campaign.

He added the Center would continue to do this in the coming school year.

In addition to his ministerial duties, Moore heads a leadership training program. Participants are taught how to assume administrative roles in a volunteer organization.

The United Campus Ministry (UCM) with Headquarters at Koinonia (Ko-no-nee-ya) House also does its share of service to the community according to the Rev. Thomas N. Townsend, chaplain.

Serve UK

"We exist to serve the University of Kentucky," said Townsend. Counseling plays a bit part in the service we give to the community, he added.

"We offer counseling on a variety of topics from religious conviction to the choice of a career."

Another way in which the UCM serves the University is to make its facilities available for use to campus organizations.

During the past year some 28 different campus groups used Koinonia House for conferences and regular meetings.

The UCM represents the Christian Church, the Presbyterian Church, the United Church of Christ and the United Presbyterian Church.

A board of directors including at least one student and a representative from each of the supporting denominations oversee the operations of the UCM.

Funds for supporting the UCM are channeled through the Kentucky Commission for United Ministries in Higher Education.

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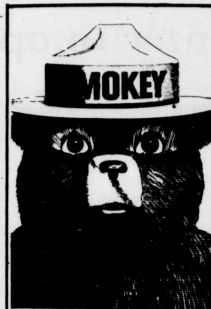
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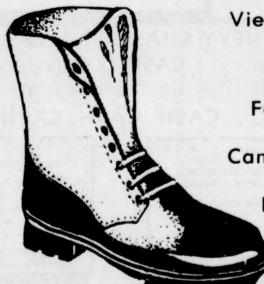
Today and tomorrow

SPEAKER, Charles A. Berry, M.D. - NASA Director for Life Sciences is to give a talk called "Space Medicine: applications to health care on earth." Tues. Aug. 1, 9:30 a.m. Med. Center Auditorium.

The deadline for announcements is 11 a.m. two weekdays prior to publication of items in this column. All announcements will be run three times: twice before the day of the event and on the day of the event.

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