



'Barber' on Friday

Costumes, sets, lights, music, voices are getting ready for the 1972 summer opera "The Barber of Seville." The comic opera will be presented in Kimball Recital Hall Friday and Saturday at 8 p.m. with a Sunday matinee at 3 p.m. Student tickets cost \$2.00, adult tickets \$2.50. All seats are reserved.

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**Ag College
reunion set**

The 1972 College of
Agriculture Reunion will be
held Aug. 5-6 at the Broken
Bow Elks Club.

In addition to election of
officers and a reunion banquet,
a highlight of the program will
be a presentation by the Honor
Class of 1922, according to
President Morris A.
Brinkerhoff of Bassett.

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OPENING FRIDAY

and alternating in performance
with GUYS AND DOLLS and
THE HOUSE OF BLUE LEAVES
now through September 2nd

Arms and the Man
G. B. SHAW'S

COMIC MASTERPIECE staged in the manner
of The British Music Hall
at the

Nebraska Repertory Theatre
12th & R CURTAIN TIME 8:30 472-2073



**UNL scientists
plan application
of satellite photos**

The Earth Resources
Technology Satellite (ERTS)
launched last week will offer
direct benefit to Nebraskans
through application of remote
sensing techniques developed
at the University of
Nebraska-Lincoln (UNL).

UNL received a \$100,000
grant in May from the National
Aeronautics and Space
Administration (NASA) to
develop applications for
spacecraft remote sensing in
resource management and a
\$51,000 grant to use remote
sensing in mapping and
managing soil and range
resources in the Sandhills.

According to Dr. James V.
Drew, associate dean of
graduate studies and research
and NASA project coordinator,
pictures of Nebraska taken by
the satellite should be available
in about a month.

ERTS circles the earth every
103 minutes taking
photographs with three
television cameras equipped
with special filters and a
radiation sensing device.
Nebraska will be photographed
every 18 days.

University staff members
are studying the application of
the remote sensing satellite
photographs to:

-Inventory of irrigated land
in the state, directed by Dr.
Donald Edwards, assistant dean
of the College of Engineering
and Architecture.

-Monitoring eutrophication
of Nebraska reservoirs, a study
of the growth and decay of
plants and animals in bodies of
water. The study is directed by
Dr. Gary Hergenrader,
associate professor of zoology.

-Charting major sub-surface
geological formations, directed
by Dr. Marvin Carlson,
assistant director of the
Conservation and Survey
Division.

-Estimating evapotrans-

piration in the Platte River
Basin, a study of the transfer
of moisture from the earth to
the atmosphere by evaporation
of water and transpiration
from plants. The study is
directed by Drs. Blaine Blad
and Norman Rosenberg of the
horticulture and forestry
department.

-Mapping and managing
soil and range resources in the
Sandhills, directed by Drew
and Dr. Donald Burzloff,
professor of agronomy.

**ETV posts
new hours
for tours**

New hours have been set
for public tours of the Nebraska
Educational Telecommunica-
tions Center at the University
of Nebraska-Lincoln.

Public tours will be held
Monday through Friday at 11
a.m. and 1:30 p.m., according
to Mrs. Susan Smeloff, tour
coordinator for the Nebraska
ETV Network.

The tours include a
behind-the-scenes look at
production studies of the
University of Nebraska
Television, the Nebraska ETV
Network operations center,
master control of the campus
closed-circuit television system,
the backstage area and, where
possible, a program in
production.

Special group tours may be
arranged by contacting the
Tour Office, Box 83111,
Lincoln, Nebr. 68501 or calling
472-3611.

The tour guide service is
provided by volunteers from
the Nebraskans for Public
Television, Inc., Lincoln Junior
League and network staff
members.

Self-paced physics class defies traditional stereotype

(Continued from page 1.)

"One guy in the class kept
me up nights because he
worked through the units as
fast as I could write them,"
Fuller said.

The Keller Plan is more
work for the teacher and more
work for the student, Fuller
said, but he's convinced it's a
way to help students learn
more by emphasizing the
chance to try again.

Last year's Keller Plan
physics students took the same
final exam as their non-Keller
Plan colleagues, but generally
got lower grades.

"That's partly because there
was no specific agreement in
the first place on just what
person who just wants to
pass."

But Fuller admits the Keller
Plan isn't the answer to every
student's learning problems.

"It usually doesn't appeal to
the D student because he
doesn't want to work," Fuller
said. "It's clearly not for the
student who is taught in the
course and because there was
less incentive for them to study,"
Fuller said. "The number of
points they'd earned on the
mastery tests already gave
them a good idea what their
final grade would be; the final
exam didn't count very much."

On a final course evaluation,
Fuller said he asked the

students what they thought
they learned.

"All the answers were about
their own psychology, not
physics," he said. "There were
no complaints about the
system, just about themselves
and their ability to work on
their own. It was a great lesson
in self-awareness."

Fuller said carefully
controlled studies elsewhere
have proved to him that Keller
Plan students initially score
better on tests than lecture
class students and retain
information longer.

Of the Keller Plan physics
students, 61.4 per cent said
they would recommend the
course to a friend as an
elective. Only 21.4 per cent of
the lecture section students
said they would recommend it.

The University's
Instructional Media Center has

produced a film about the
Keller Plan for teachers who
want more information about
it.

According to Fuller, the
plan has been used to teach
about 27 subjects. He said he
wants to try the plan to teach
a graduate physics course, too.

"At any rate, I'll never do
another lecture course again,"

he said. "The best thing about
it is that it makes the professor
confront learning theory
perhaps for the first time. And
a physicist would never have to
do that any other time."

Fuller said he believes
students should have the
option of taking a Keller Plan
section of as many courses as
possible.

**Teachers of deaf
attend institute**

Teaching teachers of the
deaf how to use educational
technology was the goal of a
recent institute sponsored by
the Midwest Regional Media
Center for the Deaf.

Some 30 teachers from 24
states attended the seventh
annual Summer Educational
Media Institute for Teachers of
the Deaf which ended last
week at the University of
Nebraska-Lincoln.

Program coordinator
Ronald Kelly said the six-week
institute was not designed just
to teach teachers how to
operate equipment.

"We're teaching them how
to design educational media
materials," he said.

Media used include graphics
(cartoons, figures and
lettering), overhead projector,
slides, 8mm film and
instructional television.

"The entire program
involves 'hands-on'
experiences," Kelly said.
Participants produce
instructional units they can use
in their classroom teaching
using each of the media.

In a traditional approach to
teaching the deaf, only written,
oral or manual responses are
used, Kelly said.

"We're trying to get people

to try alternative responses for
communication that will be
less limited and allow children
to express themselves more
fully," he said. "Let them
make a film, for example,
instead of writing a paper on
something."

Kelly said there is general
public ignorance about the
problems of deafness. About .1
per cent of the total
population is deaf, he said.

The University's Regional
Media Center for the Deaf is
one of four such centers in the
nation funded through the
Department of Health,
Education and Welfare. The
center is directed by Robert E.
Stapp.

Since 1966, some 200
teachers of the deaf have
attended the annual summer
institute. The participants
receive six hours graduate
credit, travel expenses to and
from the institute are paid, and
they receive a stipend of \$75 a
week. The participants attend
classes from 8:30 a.m. to 5
p.m. and may use the labs until
10 p.m.

In addition to the summer
institute, the center also
sponsors school workshops to
train teachers, institutes for
college educators preparing
teachers of the deaf and
programs for educational
media specialists in schools for
the deaf.

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Editor Mary Kay Quinlan
Business Manager Mary Dorenback

The SUMMER NEBRASKAN is
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summer season—six times in the
first season and three in the
second. Information for
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