



44 Gain Background In Math

Forty-four high school math teachers from ten states are spending summer vacations developing their "subject matter background" at the National Science Foundation Mathematics Institute on the NU campus.

The math institute, one of 481 being conducted throughout the country, is headed in Lincoln by Dr. Walter Mientka.

The program runs from June 11 to August 3.

Updating the training of "the weakly trained but scholastically able mathematics teachers" is the program's main purpose, according to the institute's bulletin.

1,000 Inquired
The teachers, representing more than a thousand inquiries and 315 completed applications, receive \$600 for attending, \$120 for each dependent and a travel allowance not to exceed \$80.

This year's math institute is planned as first in a series of three, Dr. Mientka said.

During this three-summer sequence courses in algebra, elementary analysis and geometry are to be offered.

The teachers are divided into two groups, one of which is for teachers studying in their first math institute or those who have not had the more extensive training of the members of the second group.

Continuity Is Goal

Continuity is developed by this three-year program much better than by a one-year program, such as held last year, Dr. Mientka explained.

"I can take one group and follow it through the three years to reach a certain level of accomplishment," he said.

During this time the math institute-trained teacher is to "gain confidence in his teaching," and become a "critic of mathematics," Dr. Mientka said. One example of being a good critic of mathematics, he added, was the selecting of textbooks.

While members of the institute the teachers live in NU dormitories, dine in the Student Union and "share in the full program of cultural, social and recreational events sponsored by the University," according to the institute bulletin.

Dr. Broad Lectures Tonight On English School System

The English education system should become more familiar to the members of the National Science Foundation Summer Science Institute.

The high school teachers who compose the institute heard Dr. Herbert F. Broad, an English physicist-educator, discuss the organization of education in England in Love Library Auditorium.

Dr. Broad, who is headmaster of the Cedars School in Leighton Buzzard, Bedfordshire, England, is appearing on the NU campus for a week out of a busy summer schedule that includes such science institutes across America.

The National Science Foundation and the American Association of Science are sponsoring his visit to the U.S. English School

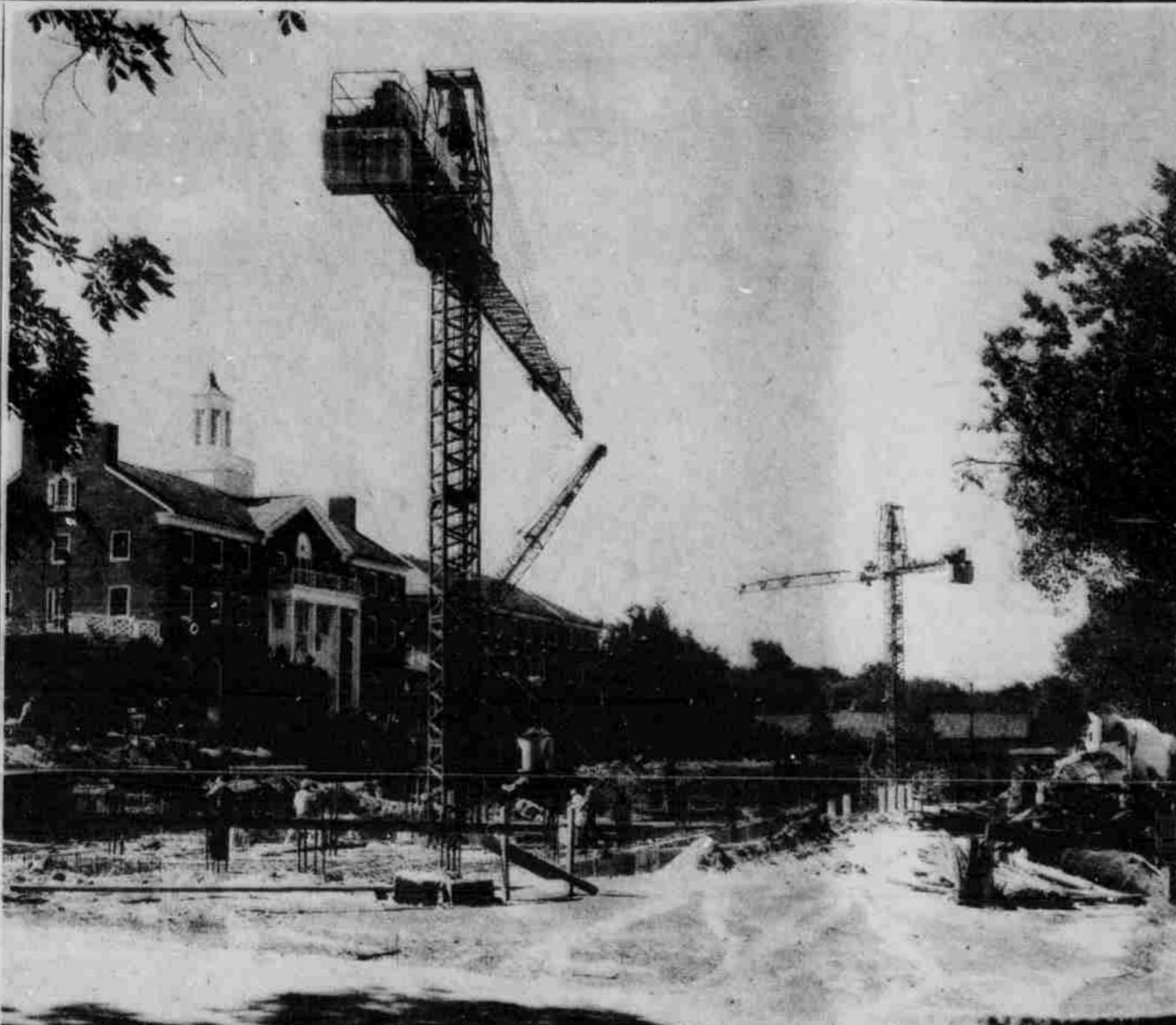
Dr. Broad, who arrived with his wife by plane Friday, will speak tonight at 7:30 in the Love Library Auditorium on the curriculum of the English grammar school.

Before becoming headmaster of the Cedars School, Dr. Broad was Senior Physics Master in the City of London School and, before that, was Physics Master at Cranleigh School in Surrey.

A London University graduate, he obtained his M.A. in physics and Diploma in Education at Cambridge University.

Nebraska Center Hosts Conference On Care of Sick

About 80 to 100 police officers, ambulance drivers and others received training in the immediate care of the sick and injured at a conference Thursday through Saturday at the Nebraska Center for Continuing Education.



Simple controls swing these huge cranes on the Twin Towers site.

Giant Cranes Help Build Towers

Two 65 foot high cranes, operated from simple controls like the transformer of a toy electric train, are being used in the construction of the new Twin Towers dormitory.

Each of the Swedish-made cranes has a 100 foot boom that can be moved by a control box with three levers, Dan Werkmeister, assistant University construction engineer, said. By turning the levers, a single man on the ground can raise, lower, swing around, extend, or retract the boom. Werkmeister estimated the cost of each crane at \$100,000.

Work on the new dormitory that is just east of the Residence Halls for Women, was begun last April and plans are to have it ready for occupancy by September of 1963, Nole Smith, University construction engineer said. Construction costs of the new housing unit are \$3,059,038, he said.

Until the new dorm is completed, a number of women students will be housed in the 8000 building of Selleck Quadrangle, W. C. Harper, director of University services, said. Some 130 male students, who had contracts with Sell-eck for next fall, will be moved into the top four floors of the Capital Hotel, he said. These students, who volun-

teered to live in the hotel, will have their own lobby and elevator in the building. The student elevator will not stop until it reaches the seventh floor of the hotel and elevators for hotel guests will not be taken above the sixth floor. One section of the main floor will be made into a student lounge. Part of this area is now leased by a jewelry store, Harper said.

A counselor and an assistant counselor will be stationed on each of the four floors. The University is making parking arrangements for the students.

Neither the total cost of the housing unit nor the length of time it will be in use is known exactly. The project is experimental, and if all goes well, it could be used for two to six years, Harper said.

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Have a SAFE, SANE 4th

New School Features Hexagonal Shape; Boasts Carpeting, Circular Field House

The modern school of today will be built of hexagonal units consisting of classrooms and an instructional materials center. Five or six irregularly shaped classrooms will encircle a central audio-visual resource and equipment core forming a hexagon.

Such is the new high school at McPherson, Kans., the first of its kind in the Midwest, which will open in the spring of 1963.

McPherson High will have five hexagonal units of classrooms and central areas separated by corridors. The subjects taught in each hexagonal unit will be similar such as all English classes or all social studies or science classes. Thus the central area can contain instructional equipment directed to the teaching of specific subjects. This center includes records, recording equipment, maps, books and all other audio-visual aids.

McPherson Senior High will also contain every other mod-

ern idea in school building. It will have carpeting, operable walls, air conditioning, teacher offices, work rooms for student teachers, rooms for large groups, space for individual study, also a circular field house, modern audio-visual aids tools, movable furniture, irregularly shaped classrooms and opportunity for functional separation of activities.

Projectors and television will become standard equipment in all classrooms. The theory behind their use, according to Ruth Moline, audio-visual instructor at the University of Nebraska, is that no teacher knows all that the student of today should learn.

"Records, television and projectors can bring guest speakers into the classroom," she said. "The major misconception concerning the use of TV is that it will and can replace the teacher. This isn't the case. A machine cannot counsel, assist, direct and inspire students. Person-

al, responsive teaching will still be needed. Teachers aren't qualified to present all the information the student should be subjected to," she said.

According to Miss Moline, some teachers feel the responsibilities have been shifted unfairly, and they will resent this. This is one of the problems that will have to be worked out.

Each classroom at McPherson High will contain the latest equipment. They will have folding space dividers, acoustical operable walls (folding door type), teacher center, fiber glass table, arm chair-desks and chairs, general storage cabinets and book shelves, and vinyl asbestos tile flooring. There will be entrances to the instructional materials center and to the corridor from each classroom.

Irregular shaping of classrooms and other spaces is better acoustically than the regular box shape according to a study made by the Ed-

ucational Facilities Laboratories. Also, breaking away from the traditional rectangle rooms provides for variable group arrangements.

Classrooms for 25-35 students are included in the new school in which teachers will instruct the class with conventional teaching techniques. These rooms can be arranged by means of movable partitioning devices so as to facilitate groups of students from 75 to 150 in number. These large group arrangements will allow for lecture-type instruction, televised instruction with several screens and other team-teaching techniques.

Teaching aids are extremely important for both audio and visual demonstration or amplification in large group delivery. Teaching teams consisting of a lead teacher, support teachers and/or clerical aids will be used in teaching such groups.

In addition to group study, individual study spaces for one or two students, with or

Americans Join Danes To Honor Friendship

You will have the opportunity to look in on the "Fourth of July in Denmark" as Danes and Americans join to pay tribute to the friendship between the two countries on Wednesday, July 4.

"Fourth of July in Denmark," a film of last year's Rebild celebration with Walt Disney as the featured speaker, will be seen on Channel 12, KUON-TV, at 5:30 a.m. and again at 10:00 p.m. on Wednesday, the fourth of July.

The celebration, which takes place over heather-clad hills near the village of Rebild, in the northern part of the peninsula of Jutland, Denmark, is characterized by music, dancing, entertainment, food, conversation, fireworks, and speeches by dignitaries representing both countries.

In the hills adjoining the Rold Forest, a Danish-American celebration has attracted tens of thousands of Danes, Americans, and Americans of Danish birth, each year for the past 50 years, except during the war years.

1909
The idea of the yearly meetings was first proposed in 1909 as an act of gratitude and appreciation toward the U.S. on the part of a group of Americans of Danish birth.

Lead by Dr. Max Henius, a Chicago scientist, the group bought a 300-acre tract of land near Rebild. The land was deeded to the Danish government in 1912 with the stipulation that each year on the anniversary of the American Declaration of Independence, a celebration of tribute would be observed there.

Today, the Rebild site is a national park, preserved in its natural state with heather,



cowberries, aspen, juniper, and oak.

Dr. Henius is also credited with the foundation of the Log Cabin Museum in the Rebild Park. He procured the money and many of the museum pieces for this unique museum which is built with materials from every state, to house objects that had belonged to American settlers from Denmark. The cabin was dedicated in 1934, and was named the Lincoln Log Cabin Museum after Abraham Lincoln.

Speakers for the 1962 celebration will include Viggo Kampmann, prime minister of Denmark; William McCormick Blair, Jr., U.S. ambassador to Denmark; Richard Nixon, former vice president of the United States; and His Majesty King Frederik IX of Denmark. Master of Ceremonies for the evening celebration will be Victor Borge, Danish-born humorist.

Val Peterson, former Nebraska governor, represented the United States at the 1958, 1959 and 1960 celebrations as U.S. ambassador to Denmark.

Professors Harald Holck, and Otto Hoiberg of the University of Nebraska, and Dr. C. C. Madsen, president of Dana College in Blair, Neb., are members of the American Rebild Committee, which maintains American interest in the annual event.

Ross Joins Med Staff

Edwin F. Ross has been appointed Administrator of University Hospital and Clinics in Omaha.

Since 1953, Ross has been Assistant Director of University Hospitals of Cleveland.

He is a graduate of Mount Union College of Alliance, Ohio and holds the Masters Degree in Hospital Administration from Washington University in St. Louis.

Ross is the author of a number of articles in the field of hospital administration, is a member of the American Hospital Association, and a fellow of the American College of Hospital Administrators.

Dr. J. Perry Tollman, Dean of the College of Medicine and Superintendent of University Hospital, stated that "We are most fortunate to be able to bring an administrator of Mr. Ross' experience and background to our campus. His special experience in dealing with problems of university teaching hospitals will be invaluable to us in our present program and in planning for the future."

Ross, 45, is a World War II veteran and the father of two boys. He is expected to take over his duties at the University Hospital within the next 90 days.

Union Plans All-Campus Square Dance

People attending the All-campus square dance will see a demonstration and receive instruction from members of the Lincoln Square Dance Council.

The dance will be held from 8 to 11 p.m. Friday, July 6th at the S St. entrance of the Nebraska Union. It is free and open to the public.

Gayle Sherman, program manager of the Nebraska Union, said, "We hope this square dance will give the summer students an opportunity to meet and become better acquainted."

Willard Noxon, a member of the Boots and Slipper Square Dance Club and the Lincoln Square Dance Council, will do the calling. Bill Speidell and Ken McCartney, both of Lincoln will do a pantomime of the Grand Old Opry characters, Homer and Jethro.

Mrs. Sherman said there will be bales of straw to sit on and two chuck wagons will sell refreshments. The east patio of the union has been renamed the Eastern Patio Stage and will have chairs and tables for the spectators.

teacher knows how to use its new facilities.

At McPherson High workshops are being held throughout this year to help teachers learn new techniques. Small group teaching is being tried; an audio-visual director is working with teachers showing them how to use the equipment properly; every teacher who wants to is getting a chance to tryout new tools.

Teachers are familiarizing themselves with equipment that will be available next year. Much of the training has been done by demonstration.

Yet despite all the planning and experimentation McPherson teachers will not be able to make full use of their new school when they enter it. Some teachers will utilize the building to its fullest. Others may never realize its full potential. This factor will determine the effectiveness of the new school, for the school is only as good as the teacher who uses it.