



DAILY NEBRASKAN



BOBBLES, BANGLES, BEADS

Students will have a chance to do some world shopping today, tomorrow and Thursday at the YWCA's 1961 International Bazaar. Pictured above (from left) are Y members Gretchen Gaines, Bev Boyd and Mary Weatherspoon holding a promotional poster for the bazaar which is open from 9 a.m. to 9 p.m.

University-Developed System Could Change Communications In Satellite, Radio, TV Fields

A new communications system which could revolutionize present radio, television and telephone systems and provide a new method of communicating with satellites has been developed by a University scientist.

The system, described Saturday by Dr. Clyde Hyde, acting chairman of the electrical engineering department, uses two signals instead of one to transmit information.

Dr. Hyde said the system could also be applied to railroads, airplanes, automobiles and other vehicles.

The system is called "Side-band Intermediate Frequency Communications System."

The pair of signals gives a truer and purer reproduction than a single signal, Dr. Hyde said.

Three Difficulties

The system virtually eliminates three difficulties encountered in space communication today:

—The Doppler effect, which is the change of frequency which occurs when the sender or receiver moves at high speed toward or away from the other.

—The drifting of frequency when the frequency is high.

—Frequency changes which occur in space-ship or missile communications.

Dr. Hyde said his technique will allow transmission of information on heat, light or sound rays, similar to the present method of sending information on radio rays.

He explained that information could be sent on the heat rays from the exhaust of a flying jet airplane and be picked up by a receiver some 100 miles away. This same technique could be employed in making use of sound energy.

Dr. Hyde discovered the system while attempting to solve a problem of determining absorption properties of gases, a study being conducted by Dr. Gordon Gallup of the chemistry department.

Refining System

After he had solved Dr. Gallup's problem, Dr. Hyde saw that the same technique, slightly revised, could be used for communications. He got his idea for the system on Apr. 2, 1958, and since that time, he and graduate students have been refining the system.

A patent has been issued through the Research Corporation of New York, a non-profit firm which has a contract with the University to handle patents placed upon discoveries and inventions by members of the staff.

Under the agreement voted by the Board of Regents Saturday, Dr. Hyde will receive not more than 15 per cent of all monies received by the Research Corporation from the patent. The University's share in royalties will be about 42.5 per cent.

Chancellor Clifford Hardin noted that the Research Corporation turns its profits back into University research projects.

He said staff members who develop inventions on their jobs "have an obligation" to share the discovery with the University.

Student Union Loss Totals Over \$450

By Cindy Bellows

A total amount of equipment valued in excess of \$450 has been stolen from the Nebraska Student Union this year.

Managing director of the Nebraska Union, A. H. Bennett, says in regard to this theft, "It is assumed that college students, as adults, are aware of the moral obligations involved in being good citizens."

However, he continued, recent illicit activity of this campus denies any such awareness on the part of its students. Five male freshmen have been called before the Student Tribunal by the Dean of Student Affairs this week. They participated in theft of Union equipment whose value alone nears grand larceny, Bennett said.

These students were apprehended by Campus Police in two different instances, and made to return the stolen items. Three of the men stole a chair, and the other two an urn for cigarette disposal.

This climaxes a rash of similar occurrences which result in the total loss of \$450 worth of equipment Bennett explained. However, the other items have not been recovered as yet. Specifically, they are: two lamps from 241, a table lamp, a floor lamp, a chair, and a loveseat all from the R. St. entrance to the Union.

Such abuse goes beyond the point of playing "pranks" he said, legally, it is termed grand larceny. If such action continues, civil authorities will be prevailed upon and miscreants dealt with in accordance with the civil law. As Managing Director of

the Union, Bennett says, "We feel obligated to enforce necessary discipline to insure that those who are good citizens of this campus can enjoy the benefits that have been provided for their use, mainly the equipment in this building."

Moreover, thefts have not been restricted to the Student Union, other campus units have experienced much of the same trouble. The most recent example is the theft of a shrunken head from the University Museum.

Constant surveillance of equipment for student use on an adult college campus should not be necessary, Bennett said. However, campus police will continue close watch on Student Union equipment until this problem is resolved.

Bennett said all University students should feel responsible for the return of these stolen articles if aware of their presence anywhere on campus.

—'Russian Art, Monuments'— Pozzatti to Present Illustrated Lecture

A former University professor who was sent to Russia last spring by the U.S. State Department as part of a cultural exchange program will speak on "Russian Art and Monuments" Wednesday.

Rudy Pozzatti, associate professor of art at Indiana University, will speak at 1 a.m. in the Pan American Room of the Student Union.

The lecture will be illustrated and an exhibit of Russian photography may also be shown.

Pozzatti and Jimmy Ernst, creator of the mural at the Continental National Bank, spent six weeks visiting ten Russian cities where they inspected museums and art schools and appeared as speakers to groups of Russian artists and other cultural groups.

A member of the NU art faculty from 1950 to 1956, Pozzatti is a graduate of Colorado University, and studied under a Fulbright scholarship to Italy from 1952 to 1953.

The painter and printmaker served as a visiting professor at the Yale-Norfolk summer school and Ohio University in 1957, and held an Indiana University Graduate School Fellowship the same year.

Pozzatti has received awards from Joslyn Art Museum in Omaha; City Art Museum in St. Louis, Mo.; and Walker Art Center in Minneapolis, Minn.

He has had one-man art showings at the Art Institute of Chicago; University of Nebraska Art Galleries; University Gallery, University of Minnesota; Walker Art Center, Minneapolis; and the Kansas City Art Museum.

The artist is represented in the permanent collections of the National Gallery of Art, Washington, D.C.; F. M. Hall Collection at the University of Nebraska; Nebraska Art Assn., Lincoln; and Joslyn Art Museum in Omaha.

Karen Schroeder is chairman of this event sponsored by the Union arts and exhibits committee.

K.K. Needs Directors

Interviews for the music director and choreography director for the Kosmet Klub show will be held Sunday, Dec. 3, at 2:15 p.m. in the Student Union.

Any person interested should contact Al Plummer at HE 5-2957 to schedule an interview.

'Y' Goes Globe-Trotting With Christmas Bazaar

"Globe-trotting with the 'Y'" is a descriptive summary of the articles being sold at the 1961 YWCA International Christmas Bazaar in the Student Union party rooms from 9 a.m. to 9 p.m., beginning tomorrow and running until Thursday.

Over \$10,000 worth of merchandise has been ordered for the bazaar. Prices for the articles range anywhere from ten cents to twenty dollars.

Countries that will be represented at the bazaar include England, Norway, Sweden, Finland, Denmark, France, Germany, Italy, Holland, and Spain.

Others include Japan, China, India, the Holy Lands, and countries in Africa.

International students on campus will be at the bazaar to answer questions concerning the articles and to explain the stories and work behind the handicraft. The articles represent work done by the craftsmen in the traditional style of their particular country.

In order to make it easier for the student to attend the bazaar, the doors will be open from 9 a.m. to 9 p.m. New merchandise will also be put out on the tables every day so that those who aren't able to attend the first day will have a new supply of articles from which to buy, explained Bev Ferris, co-chairman of special projects committee, which is in charge of the bazaar.

Five Faculty, State Officials Revise Book

Five University faculty members, along with four state officials, have accepted the task of preparing a new manual for the American Legion and its auxiliary for use in its Boys' and Girls' State programs held every summer.

Dr. Royce H. Knapp, professor of secondary education, will edit the book.

Other faculty members working on the manual and their departments are: Dr. A. C. Breckenridge, dean of education; John DeRoif, part-time instructor in secondary education; Dr. Edward F. Schmidt, professor of economics; and Dr. A. Bruce Winter, associate professor of political science.

State officers who will work on the manual are Gerald Vitamvas, deputy attorney general; Walter James, revisor of statutes; Norman Otto, assistant to the governor; and Hugo Srb, clerk of the legislature.

The variety of articles on sale include jewelry, lacquer ware, bamboo ware, Japanese rice paper, dolls, mechanical toys, novelties, mother of pearl jewelry, wood carvings, Christmas decorations and Nativity scenes, olive wood Testaments, brassware, ebony articles, earthenware, candles, labras, and household goods.

"The Christmas Bazaar is an excellent place to do your Christmas shopping," said Miss Ferris. It is especially good for finding something for that person on your Christmas list who has everything. Miss Ferris further explained that the bazaar has a number of articles for children.

The Christmas Bazaar started on the Nebraska campus six years ago and has now grown to a \$10,000 project and the major undertaking of the campus YWCA. The bazaar is also concerned with the citizens of Lincoln and the surrounding area.

Tickets on Sale

Student tickets for all ker sports are now on sale for \$4.00 in the Coliseum ticket office. Faculty tickets can be purchased for \$5.00.

Coed Finds University Stops for Tea, Biscuits

By Sue Hovik

Hour exams? Mid-terms? Semester finals? Students at the University of Durham at Newcastle-upon-Tyne in northern England do not have these tests to worry about, reports Marilyn Pickett.

Miss Pickett, a 1960 graduate of the University, spent last year studying at the school of art at that university. She explained that they have exams at the end of the year only.

Miss Pickett spent a year in graduate work at Durham on a Rotary Foundation Fellowship. She studied in the fields of textile printing, pottery and stain glass. The textile printing is a hand process which is still used by some of the textile industries in England.

Miss Pickett said that she was most impressed with the university systems in England. Most of the students are on grants from the surrounding English counties. These grants pay for food, housing, and tuition. Many students live on these grants completely. There are a few exceptions when the students receive bigger grants. She said that these students in the university go through interviews and exams and the very select few who enter the university are of a very high quality.

Proficient

Miss Pickett explained that students have to be proficient in four or five subjects before they go to the university. Only the upper 20% of the school children at the age of eleven go to grammar school, she said.

The English students seem to have a derogatory attitude towards the American educational system. They feel that the idea is quantity not quality, she said.

The University of Durham is based on three terms. Miss Pickett explained that if a student wants to be a teacher of a certain subject, he goes to the university for three years, graduates and with a degree in that subject. He then returns to the school for a year in order to receive his diploma in education.

The art department is on a different system explained

Miss Pickett. The teachers are there, but are working on their own projects. If you want help, you go find them. Students are expected to check in at 9:30 in the morning and leave about 4:30 in the afternoon. They can take one or two hours for lunch. The student is on his own, she said, but this system works because the students are in very competitive positions.

Art School

Miss Pickett was in the school of design within the art school. The other two schools were the school of painting and the school of sculpture.

The university started in October, no Thanksgiving vacation, and a month for Christmas. Miss Pickett said that Oxford and Cambridge got five and a half weeks for Christmas and a month at Easter.

Miss Pickett found that the students were very intellectual and well read. They didn't have many activities, but she was impressed by their athletic skill. A tennis court came with the dormitory and the university had a very good rowing team.

The English students were very curious people and always asked questions said Miss Pickett. They were quite interested in the election, and she found that most of them favored Kennedy. The students were also amazed by American cheerleaders, though they thought they were absurd.

Heating Systems

Englishmen were interested in the central heating systems of the United States. Many of the homes there are still heated by fireplaces. Students had never seen popcorn so Miss Pickett explained that she got a can which had been imported from Iowa in a Newcastle store.

She said that the way of living there is not such a rush as it is in the United States. Almost every department at the university took a forty-five minute break at 3:30 every day for tea and biscuits. She explained that biscuits over there are what she would call cookies in the United States and candy is known as chocolates or sweets.

Most of the students live in "digs" which are little apartments. They have one room and a fireplace. Very few of the students have cars, she noted.

Miss Pickett found that the English girls are very conservative and domestic. They sew, knit, and cook well.

Common Names

The common English girls' names are Ursula, Fiona, Peggy, Rosemary, and Joyce. Ian is a favorite boy's name with John and David also rating high.

The girls wear either slacks or heels to school. The only place you see bobby socks is on the tennis courts, she said.

TV shows have Huckleberry Hound and Maverick, but also some good intellectual shows said Miss Pickett. The plays which run for an hour and a half do not have any commercials breaking into them. One of the two main stations does not have any commercials and it is financed by licenses which are sold to the buyers of TV's and radios.

In the summer English students sign up for camp-outs at the Union. Miss Pickett explained that physical education groups would go to the Lake district, make their own canoes, live in tents, and do their own cooking.

In England there are many small, individually owned shops said Miss Pickett. In Newcastle, which is a ship-building area, there is a place called Quayside. Here they have auctions and little shops that sell everything from candied eels to fur coats.

Miss Pickett said that the food was really cheap at the Union. For 45-cents, you could buy a complete meal.

She said that they had some "fun Pubs" where you could play darts, drink beer or cider, or eat. She said that they also drank beer at a bar in the basement of the Union.

Miss Pickett is now enrolled in the advanced professional division of Teachers college. She is also house-mother at Nebraska Center which is serving as temporary housing for the overflow of women students.

Council for UN Meeting Tonight

The National field representative for the Collegiate Council for the United Nations (CCUN) will visit the University campus today and meet with students interested in the possibility of forming a chapter here.

The meeting will be held in the Student Union at 7 p.m. tonight.

The CCUN is a national student organization devoted to developing informed collegiate support for the United Nations. Its programs are designed to educate students about the UN and to encourage an expression of that educated opinion.

The CCUN co-sponsors several model UN projects such as the recent meet held in New York attended by three University students and the coming meet to be held in St. Louis.

Students interested in visiting with the field representative, Jed Johnson, may contact him through Bill Buckley at the Sigma Nu house, GR 7-3964, during the day.