



COMMUNITY LIVING cows romp in their "living room."

Dairy 'Cowmunity' Living Plan Keeps Cows Happy, Contented

By BONNIE JONES

Students aren't the only ones concerned with community living.

In fact, there's a pretty loose living community right now in the barns at the University Dairy Production Center.

The community living experiment consists of 40 head each of three breeds of cattle—Ayrshires, Jerseys and Guernseys—which are housed for two years each under traditional and progressive systems.

In the traditional dairy barn, cows live in box stalls or are held captive in stanchions which somewhat resemble the stocks of colonial days. They are limited to an area of about 22 to 32 square feet day and night except for an hour of exercise each morning.

In the stanchions the cow must stand or sit awkwardly and cannot turn around. Food is placed in bins or racks in the stalls.

Far from living in a barn of iniquity, however, the other group, loose from stanchions and stalls, is free to frolic in a large open "living room" complete with modern mahogany-colored laminated wood beams and an adjoining open courtyard for exercise.

Since they are out-of-doors at all times there is no need for an artificial ventilation system. There's more space too, about 60 square feet per cow in the bedded area.

A drag chain conveyor belt installed at the base of a haymaker silo runs the length of the courtyard so that the cows can chow down to a feast of chopped hay whenever they feel the need.

Are the cows more contented living loosely? Dr. William H. Cloninger, associate professor of dairy production, says loose housing improves comfort because many cows develop stiff legs and weak shoulders as a result of standing in the stanchions.

Another advantage is more space and cheaper construction costs, which it is estimated run about 50 per cent less than traditional housing.

It will take another two years, however, to complete milk production test records to determine whether there is any significant difference in milk production between the groups.

University Brings Christmas Spirit To College Ave.

Christmas is coming on the same date this year as it always has, but the University, nevertheless, is putting up its decorations a month and a half in advance.

The University's half of Candy Cane Lane—College Avenue, in the off-season—already is being decorated for the yearly visit of the jolly old man with the little round belly.

Large Christmas candles have been placed along the University side of the street.

The State College Chamber of Commerce, sponsor of the decorations on the south side of the street, has not yet raised funds for its decorating. A planning committee will report Monday night on the C of C's progress with the decorations.

Cabinet OKs--

(Continued from page one)
Robert Yeager and Leslie Schultz.

Committee on Tri-mester System: John Bott, James Hart, Peter Fishburn, Patricia O'Neill, John Johnston, Edward Dubbs, Janet Ours and John Lange.

Student Welfare Committee: Lewis Wonderly, and Spring Week Business Manager: David Tressler.

Mil Ball Queen Contest to Open

Pictures of contestants for Military Ball queen may be submitted at the Hetzel Union desk until noon Wednesday.

Any University ROTC cadet may submit a 5 by 7-inch picture of his date for entry in the queen contest.

The pictures will be sent to the U.S. Naval Academy at Annapolis where a committee of officers will select the five finalists. The pictures then will be returned to the University and the queen selected by a committee of the tri-service sponsors.

The ball will be held Dec. 6 in Recreation Hall. Tickets will be on sale Nov. 25 and 26 at \$5 a couple.

Fouraker to Give Economics Paper

Dr. Lawrence E. Fouraker, professor of economics, will present a paper at the annual meeting of the American Economic Association in Philadelphia next month.

The paper, "Product Differentiation and Straight Line Indifference Curves," was one of those selected in the first open competition held by the association.

Ad Research Meeting

Dr. Roland Hicks, assistant professor of journalism, attended the third annual conference of the Advertising Research Foundation, Inc., Thursday in New York City.

Burma Missionary To Address Baptist

The Roger Williams Fellowship will hear the Rev. Donald Crider speak on "New Concepts in the Mission Field," at 6:30 p.m. tomorrow at the University Baptist Church.

Crider is a graduate student at the University while on furlough from the mission in Burma. The meeting will follow a supper at 5:30.

Dr. Rajah Manikam, Bishop of Tranquebar in India, will speak at 3 p.m. tomorrow in the Helen Eakin Eisenhower Chapel. His topic will be "An Asian Looks at American Christianity."

Bishop Manikam, who will speak at chapel services tomorrow, will talk informally with students at the afternoon meeting.

Dr. Rustom Roy, professor of geochemistry, will speak at the Lutheran Student Association at 6:30 p.m. tomorrow in the LSA Center.

Roy will speak on "Your Only Vocation." He has served on the faculty at the University since 1950. He was born in India and served as senior scientific officer in the Indian government's national laboratory in the field of ceramics.

He holds a doctor of philosophy degree in ceramics and was recently honored by the Mineralogical Society of America. The award he received for a research contribution is one of the highest in the field of earth sciences.

The Westminster Fellowship will sponsor a program on the "Religious Significance of the Spiritual" at 6:20 p.m. tomorrow in the Presbyterian student center. The program will be presented by staff members of the University Department of Music.

The next session of the TV Film Forum series sponsored by the B'nai B'rith Hillel Foundation will be held at 7:30 p.m. Monday in the foundation auditorium.

An hour-long national telecast "Drew Pearson Reports on the Holy Land," will be shown. Dr. John DeNovo, associate professor of American history, will comment on the film.

Members of the Phi Sigma Sigma sorority will be hostesses at a Lox and Bagel Brunch from 11 a.m. to noon tomorrow at the Hillel Foundation. Folk dancing will be held at 2 p.m. at the foundation.

The Hillel Freshman Council will meet at 6:30 p.m. Monday.

The Wesley Student Foundation will hold a fireside forum on "Our Lord" at 6:15 p.m. tomorrow in the foundation center.

The Newman Club will hold open house at the Roman Catholic Student Center beginning at 8 tonight.

Reception to Open Sabean Art Exhibit

An exhibition of watercolors and sculpture by Samuel C. Sabean will open with a reception and tea from 3 to 5 p.m. tomorrow in the Hetzel Union Building.

Sabean joined the Department of Art faculty this fall as associate professor of art. He formally was associated with the Department of Art of Colorado College and the Colorado Springs Fine Arts Center.

He has worked at the Chicago Institute of Design and the Hofmann School of Fine Art in New York.

Churchman From India To Speak

Dr. Rajah B. Manikam, Bishop of Tranquebar in India, will speak at the chapel services at 10:55 a.m. tomorrow in Schwab Auditorium.

His topic will be "The World Mission of the World-Wide Church."

The Chapel Choir, directed by Willa C. Taylor, will sing the anthem "Many Waters Cannot Quench Love" by Ireland. George E. Ceiga, University organist, will play Chorale Prelude from "St. Peter" by Darke, the offertory Andante from "Pastoral Sonata in G" by Rheinberger and the prelude Fugue in B Flat Major by Bach.

Bishop Manikam is serving on the faculty of Union Theological Seminary in New York City as a Harry Emerson Fosdick Visiting Professor of Christian Missions. He holds degrees from Madras Christian College, Teacher's College of Columbia University and Mt. Airy Lutheran Theological Seminary. He received his doctor of divinity degree from Columbia University.

Bishop Manikam is best known in America through his activities in the ecumenical movement. He is an active leader and educator in the Christian Church in India.

Before coming to the Union Theological Seminary he served as joint secretary in East Asia of the World Council of Churches and the Missionary Council.

Leiper to Talk On 'Forgiving'

The Rev. Hal Leiper, Protestant chaplain, will speak at Protestant services at 9 a.m. tomorrow in the Helen Eakin Eisenhower Chapel.

His topic, "Forgiving and Forgiven," refers to the teachings of Jesus in the Lord's Prayer and the Sermon on the Mount.

The Meditation Chapel Choir, directed by Willa C. Taylor and William Reeves, will sing the anthem "Turn Back, O Man" by Gustav Holst.

Leiper, who also is associate director of the University Christian Association, was a missionary in China during the Communist invasion of Peking, a director of the Westminster Foundation at the University of California and a pastor in national missions work in Tennessee.

Cattle Research Grant

A grant of \$1200 has been renewed by the National Association of Artificial Breeders to support research at the Dairy Cattle Breeding Research Center for the current year.

Senior to Speak To Ed Honorary

Rosanne Fortunato, senior in business education from Wilmington, Del., will give the first of a series of talks sponsored by Pi Omega Pi, business education honorary society, at 3 p.m. Monday in 313 Willard.

Miss Fortunato, who has just returned from student teaching, will tell the group of her experiences during this time and will answer questions from students.

The meeting is open to the public.

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