

Home Management Units Construction Completed

By CHUCK DIROCCO

Construction work reached its completion this week on the four new home management houses located at the eastern end of campus.

Students in the Home Economics curriculum, both graduates and undergraduates, participated in their architectural planning, choice of color schemes, and choice of furnishings and equipment.

Each of the four houses are individually named. The Florence Benedict house, located on the east, and the Amy Gardner house, at the west end, are ranch type in design. The center units, the Catherine Beecher and Myra Dock houses, are duplex in construction.

The interior furnishing and equipment of each house are different.

While construction crews and equipment leave one spot on campus, others are arriving at a new locality; and still others are well on their way toward completing other projects.

Lab Extension Begun
Men and equipment have begun a 50-foot extension of the recent expansion of the Animal Disease Research Laboratory on the University's farms.

The two-building laboratory conducts research on animal and poultry diseases produced under controlled conditions.

Animal disease study is taking place in the building under construction.

Dining Hall Base Poured
On east campus, construction crews are pouring the cement foundation of the dining hall of the new five-unit women's living quarters on College avenue.

Fair weather has enabled a pickup in the rate of construction of the unit which will be ready for occupancy by the fall semester of 1958.

Directly across Pollock road from the Hetzel Union building, workmen are continuing construction on the Halls of the Americas.

Visual Aids Rooms Included
The building will be a general classroom unit containing 18 visual aid rooms. Completion is expected before next semester.

Leaving the cranes, bulldozers, and drills turning to maintenance work, workmen have completed the re-varnishing of the wooden exterior at the HUB.

The woodwork at the clubhouse of the ice-skating rink has been re-stained and painting crews have completed work on the scoreboard at Beaver Field.

Concert Schedule To Begin Feb. 4 With Vienna Octet

The Vienna Octet, a group of Vienna Philharmonic Orchestra members who are making their first American tour, will open the State College Chamber Music series on Feb. 4.

The series, sponsored by the State College Choral society, also will include Helen Kwalwasser, violinist, and Leonid Hambro, pianist on Feb. 18, followed by Robert McFerrin, Metropolitan Opera baritone on March 11, Quartetto Italiano, April 1, and ending with the Juilliard String Quartet on May 6.

Mrs. Henry Finch, chairman of the Chamber Music committee, said that since the program has been expanded this year more tickets would be on hand to meet the expected increase in sales.

Season tickets will sell for \$5 and may be ordered by calling Mrs. Ralph Condee, ADams 7-7770.

Research Prof to Attend Stress Analysis Meeting

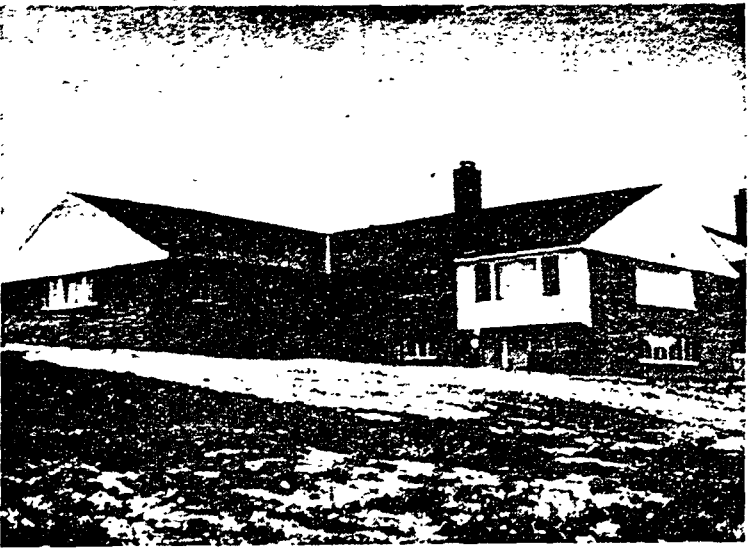
Maurice P. Milliken, assistant professor of engineering research in the Ordnance Research Laboratory, will attend the annual meeting of the Society for Experimental Stress Analysis to be held in Columbus, Ohio, Oct. 31 to Nov. 2.

The society is active in many phases of engineering and development.

Faculty to Hear Boyle

Dr. John S. Boyle, associate professor of plant pathology, will address the Faculty Luncheon Club at noon Monday in the Hetzel Union Building.

His subject will be "Life in Guatemala."



BENEDICT HOUSE was one of four home management houses completed this week.

Red Flannels Will Be Handy In Future, Professor Says

Grandpa's old red flannels will come in mighty handy during the next decade, Dr. Charles L. Hosler, associate professor of meteorology, predicts.

Dr. Hosler has predicted that the northeastern United States is headed for a long spell of colder weather, involving a 10 per cent increase in heating requirements for the area.

Discounts Forecasters
Dr. Hosler, in issuing his long range forecast, discounted the claims of forecasters who "can predict" the weather for a certain day a month in advance.

In general, said Dr. Hosler, a one or two day prediction is the extent of our present ability to foretell weather with any degree of accuracy.

"The extrapolators have been telling us for years now that the northeastern United States has been getting warmer over the last fifty years," continued Dr. Hosler.

"There are indications now, however, that the trend has ceased and that we may be returning to colder weather," he said.

Weather Alternates
Historically, he said, these warm and cool periods have been roughly of one hundred years' duration and the temperature changes have been about the same magnitude.

Dr. Hosler based his predictions for the next decade on these facts and statistical relationships of solar activity to weather.

14 to Compete In Ag Contest

Fourteen agriculture students will arrive in Kansas City today to compete in the American Royal Livestock Show, running through Tuesday.

Ten of the students will compete in the livestock judging contest. They are Joel Colvin, John Fleming, Henry Gruber, Dorothy Hancock, Vernon Hazlett, Robert Kline, Donald McCreight, William Stappenbeck, Sandra Trexler, and John Wright.

The other four students will compete in the meat judging contest. They are Thomas Blose, Leslie Firth, Sandra Snowdon, and Arthur Tennyson.

Sixteen colleges and universities are entered in both judging contests.

No Significant Difference Seen In Budget Policy of Parties

By JUDY HARKISON

A University economist says there is no significant difference in the fiscal philosophy, in respect to balancing the budget, of the Eisenhower administration and the Democratic party.

Dr. Lawrence E. Fouraker, associate professor of economics, said that the balance of the national budget "depends upon the phase of business cycle: whether the economy is experiencing inflation or deflation."

If necessary, either administration would attempt to acquire a surplus to lessen the severity of an inflation, he believes, and would increase public spending and probably reduce taxes to avoid a depression.

"Democrats in the past have made a more conscious effort than the Republicans to maintain a large middle income

group by means of government intervention," he said.

"Minimum wage and social security have found the greatest support in the Democratic party. The measures were introduced over some GOP opposition.

"The Republicans," he continued, "aren't in favor of two groups, rich and poor, but believe that maintaining a middle income group is not the responsibility of the government."

Such a distribution of income is necessary to have economic stability, the instructor said.

Dr. Fouraker believes that there is less difference in the two parties since the appearance of Eisenhower. He said that Eisenhower, in relation to the rest of the party, is liberal in his approach to these matters, whereas Stevenson is to some extent conservative.

Dr. Fouraker explained that approximately 90 per cent of budget expenditures go toward national security and defense and pay-

Astronomy Seen Key to Evolution

By MARIAN BEATTY

By studying the evolution of the universe, astronomers have found the key to the evolution of life, Dr. Harlow Shapley, professor of astronomy at Harvard University, said Thursday night.

Dr. Shapley said this study has vastly expanded the scope of man's imagination and lifted him into a field of comprehension once totally unattainable.

Dr. Shapley spoke on "Galaxies and What They Do to Us" at the Graduate Lecture Series. He has made a concentrated study of galaxies and their relation to space and has published over 200 articles and six books in the field of astronomy.

Related to Geological Time

Astronomers now believe that the evolution of the universe is related to the progression of life through the geological periods of time, Dr. Shapley said. This evolution has been traced through the study of galaxies, he said.

A galaxy, Dr. Shapley explained, is a dense cluster of billions of stars. The galaxy which includes the earth contains about 70 billion stars widely scattered through space.

20 Million Light Years Away

These stars are so far apart, he said, that most of the starlight which reaches earth began its journey 20 million years ago. Or, by astronomical measurement, it came from stars 20 million light years from earth. A star just one light year away would be six million million years distant.

"These stars are relatively close," Dr. Shapley said. "Galaxies 300 million light years away have been discovered."

Radio Astronomy

Discussing these galaxies, Dr. Shapley described radio astronomy, the most recent method of observing them. Radio-telescopes pick up radiations emitted by the stars. The radiations are then recorded as photographs of single stars or entire galaxies.

The results of studies made at these stations have been several, he said. The stars in most galaxies have been regrouped. It has been found, he continued, that some of the galaxies are enclosed in a "bag" of hydrogen. Also, the spectrum of stars shows that the same common elements found on earth are also present on stars.

Saucers 'Optical Illusions'

Returning to earth, Dr. Shapley "pooh-poohed" the idea of flying saucers being interplanetary, saying that the reported sightings of them are optical illusions.

"There are lots of 'flying saucers,'" he said. "They might be shooting stars, jet plane exhausts, weather balloons, mirages due to varying air density, or just hallucinations."

BusAd Council to Meet

The Business Administration Student Council will meet at 6:45 p.m. Monday in 217 Hetzel Union.

AIM Seeks To Establish IM Playoffs

The Association of Independent Men is seeking to establish playoffs between fraternity and independent champions in intramural sports.

A recommendation favoring a University playoff between intramural winners was approved this week by the AIM Board of Governors.

Leach Introduces Action

Edward Leach, Town Independent Men representative at large to AIM, introduced the recommendation. He said he believed it senseless to crown separate fraternity and independent champions in each intramural sport.

Being All-University champion will provide added prestige to winners, he said.

Leach said the cost of an additional trophy or recognition placque for the winner would not be prohibitive.

Raising entrance fees a few cents in each sport would solve any financial problem for the intramural office, he said.

Time Possible Problem

Time might be a slight problem, he said, because of the close sequence with which intramural sports follow each other.

"However, he said, if given the opportunity, fraternity and independent champions would probably agree to schedule a match without the aid of the intramural office, if necessary.

Leach will speak to officials at the intramural office and report at the next meeting of AIM.

\$55,000 Gift Granted for Eng Study

The Ionosphere Research laboratory of the electrical engineering department has received two grants totaling \$55,000.

They will be used to carry on two research projects in the ionosphere physics program of the International Geophysical Year. Dr. Arthur Waynick, laboratory and department head, will direct the program.

The International Geophysical Year will be celebrated from July 1, 1957, to December 31, 1958, by 50 nations. The ionosphere physics program is one of the 13 major areas in geophysics listed by the National Committee on the Geophysical Year.

To Support Radio Analysis

The first grant, amounting to \$35,000 will support a project involving analysis of ionosphere radio data from four stations set up in various parts of the world.

The data will be sent to the University and analyzed, using the digital computer, to find the electron density of the upper air.

The University and Cambridge University, England, are the only two institutions working on this project.

Schmerling Heads Project

Dr. Irwin Schmerling, visiting assistant professor of engineering research, is in charge of the project here.

The other grant, totaling \$20,000 will be used in a project designed to determine the absorption of radio waves in the ionosphere at vertical incidence. Dr. Sidney Bowhill, assistant professor of electrical engineering, is in charge of the project at the University.