

Experiment Station Receives 6 Grants

Six research grants amounting to \$18,750 have been made available to the Texas Agricultural Experiment Station, Dr. R. E. Patterson, station director, has announced.

A Corpus Christi businessman and rancher, John D. Hawn, has provided \$10,000 for research on an economic evaluation of brush control on ranges and pastures in selected areas. B. R. Eddleman of the Department of Agricultural Economics and Sociology is project leader.

A \$4,000 grant is from Monsanto Chemical Company of Saint Louis, Mo., for investigations on antioxidants and amino acids in poultry nutrition. Dr. J. R. Couch of the Department of Biochemistry and Nutrition is heading the research.

Dr. Raymond Reiser, also of the Department of Biochemistry and Nutrition, is conducting studies on industrial utilization of agriculturally produced fatty materials. Corn Products Company of Argo, Ill., has furnished \$2,000 for the work.

Eli Lilly and Company of Indianapolis, Ind., has provided \$1,200 for studies on use of herbicides in cotton production and their effect on following vegetable crops.

Dr. A. L. Harrison of the Plant Disease Laboratory near Yoakum has been notified of two grants to support work on peanut diseases.

Mineral Relation To Age Studied

The relationship of minerals to the human aging process is receiving increased attention in nutrition research centers, an A&M University scientist said here Friday.

Researchers want to know, for example, why broken bones in elderly persons heal slowly and improperly. What is the role of minerals in the cause of skin wrinkling in aged adults?

Such questions were posed in a talk by Dr. C. R. Creger of the university's Departments of Biochemistry and Nutrition and Poultry Science at the sixth annual Institute of Food Technologists Texas Section meeting. "In the bone case, we know that something happens to interfere with proper metabolism of calcium and phosphorus in aged people. That something is still unknown," Creger said. "Many times calcium and phosphorus are deposited in muscle tissue instead of bone where it belongs."

Minerals are known to help keep a young person's skin turgid. That is, they aid in keeping skin cells charged with water. Result: No wrinkling.

But as age advances, cells lose their ability to hold water, so the skin wrinkles. What happened to the effect of the minerals? Creger and other nutritionists would like to know.

He said another nutritional puzzle in elderly people is their

excessive excretion of potassium, magnesium and manganese.

Scientists have learned much in mineral research, but there is a long way to go, Creger told the food technologists.

"We can estimate pretty closely the daily adult requirements of minerals," he explained. "However, only rough estimates can be made for children."

Creger added that three balanced meals per day of foods from local grocery stores will usually supply all minerals a person needs. In his opinion, older people should eat plenty of eggs and milk, which are two good mineral sources.

Dr. J. R. Couch, also of the Departments of Biochemistry and Nutrition and Poultry Science, outlined vitamins in human nutrition.

He said Vitamin A, as such, is found only in meats. However, colored plants, such as carrots and lettuce, contain carotenes and other substances which the body can convert into the vitamin. Pure Vitamin A is colorless and is essential to good vision and healthy tissue.

Vitamin B₁₂, found in meat products, helps prevent anemia.

Couch emphasized that Vitamin C is the most widely deficient in humans because they seldom eat enough fruits and vegetables. It is necessary to healthy tissue, and a severe shortage can lead to gum troubles, swollen joints and scar tissue sloughing.

Vitamin D is quickly supplied through exposure to sunshine. Long exposure is not necessary.

As for Vitamin E, Couch said there is no conclusive evidence that humans need the vitamin as an anti-sterility factor. But it is required for other body functions.

Applications Due From Engineers

Applications are available for the Tau Beta Pi Scholarships until the deadline April 3.

The scholarships are given to engineering students. All freshmen, sophomore and junior students in engineering are eligible. Applications can be obtained in the Department of Engineering.



Wins Contest
France Gall, 17, a blonde who has been called "The Little French Doll," sings songs about dolls in Naples, Italy. She won the 1965 Eurovision song contest. (AP Wirephoto via cable from Naples.)

Chemist To Lecture Thursday

A noted chemist whose studies of fluorine have resulted in numerous works will give a Graduate Lecture at 8 p.m. Thursday. Dr. Joseph H. Simons of the University of Florida will speak in Physics Building 146.

Subject of the free, public lecture is "Obtaining Properties of Primary Particles by Collision Techniques."

Simons also will discuss "Fluorine Chemistry" to the Chemistry Colloquium at 4 p.m. At 12:40 p.m. he will lecture on "A Philosophy of Science" to the National Science Foundation Academic Year Institute participants.

Simons is a member of many learned and honor societies and is counselor of his section of the American Chemical Society. He edited the six-volume "Fluorine Chemistry" authored "A Structure of Science" and published many papers.

Dr. Simons is the discoverer

Palestine Problem Blamed For Split By Arabs, U.S.

The United States entanglement in the Palestine problem was blamed Saturday night for the deterioration in Arab-American relations in recent years.

Dr. Khalid I. Babaa, director of the Arab Information Center in Dallas, voiced the claim to students attending the annual Spring Banquet of the Arab Student Club in the Memorial Student Center.

"No appraisal of the Arab-American relations is possible merely by taking the immediate present as our point of departure," Babaa said.

He then went on to point out that for centuries the Arabs and Americans were the best friends and worked to help each other. He reminded that the first country to recognize the independence of the United States was an Arab State—Morocco, in 1789.

"The American-Arab friendship continued for years until about the time World War II ended," Babaa said. "Then the Americans became entangled in the Palestine problem."

"The impact of American intervention since the Palestine problem was first brought before the United Nations is unmistakable. American pressure in one form or another exerted on a number of delegations, compelled some of them to adopt the policy suggested by the United States regarding the Palestine question."

"It is no secret that such American pressure was decisive in pushing the Partition Resolution of Nov. 29, 1947 through the General Assembly," Babaa continued.

"This United States support of Israel has resulted in their being able to get away with impunity in her expulsion of over one million Arab refugees from their homes," he continued.

For the most part, the dispute between the Arab-Israeli conflict

remains poorly understood, Babaa believes.

"Essentially, it is an act of dispossession—a whole multitude of people dispossessing another people from their ancestral homeland. It is an act of establishing a foreign state in the heart of the homeland of another people, displacing the original owners and installing new-comers," he said.

Babaa described Arab Nationalism as a movement to reunite their homeland and to emancipate themselves from any foreign domination.

"Such a movement should receive the whole-hearted support of the United States rather than opposition or indifference, especially when it is a bulwark against the spread of communism in the Middle East," he concluded.

MSC Addition To Emphasize Student Needs

A major expansion to the Memorial Student Center is being considered by the board of directors.

Estimated cost of the addition has not been announced. The board has approved \$15,000 for an architect's study of the proposed expansion.

James P. Hannigan, dean of students, said proposed plans call for extending the west wing of the MSC south to the parking lot behind the building with emphasis on student needs.

Hannigan said the addition would include a number of additional meeting rooms for student organizations.

He said the proposal also includes enclosing the sun deck of the MSC, located above the Fountain Room of the MSC and outside the ballroom.

"This would not only give additional space for the Fountain Room, which would be accessible via a spiral staircase from the main floor, but would also provide additional space for meetings and dances in the ballroom," Hannigan commented.

Financing of the proposed addition to the MSC may come from a student use fee approved by the A&M Board.

Recreational Use Of Land Speaker Set

Various considerations for recreational use of land will be discussed Wednesday and Thursday at A&M University by a lecturer from Utah State University.

The speaker is S. Ross Tocher, associate professor of forestry. His lectures are sponsored under the visiting scientist programs of the Society of American Foresters and the National Science Foundation.

Dr. Charles Leinweber, head of the Department of A&M Range and Forestry, said recreational use of land, both private and government, is an expanding field. In response to the trend, A&M is establishing a Department of Recreation and Parks which will begin operation this fall.

Tocher will conduct three lectures Wednesday, all in Room 112 of the Plant Sciences Building. Times and titles are 8 a.m., "Inventory Recreational Water in Remote Mountain Areas"; 1 p.m., "Opportunities in Natural History Interpretation"; and 7:30 p.m., "Techniques of Recreation Site Management."

His Thursday lecture is set for 8 a.m. in Room 103 of the Plant Sciences Building. The title is "Intercepting the Tourist."

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Kiwanis To Host Pancake Supper

Murray Brown and Perry Shirley, presidents of the College Station and Bryan Kiwanis Clubs, respectively, have announced that Saturday is Kiwanis Pancake Day in the Bryan-College Station area. It will be held at the National Guard Armory in Bryan between 4 and 9 a.m.

The Pancake Supper is an annual affair for the twin-city area. Last year, over 2,000 people enjoyed the bacon, syrup, coffee or milk, and "all the pancakes you can eat" for 50 cents. Profits made from the joint effort is pledged to various community projects supported by the two Kiwanis Clubs.

Kennel Club Gives Vet School Grant

A \$500 grant-in-aid for the College of Veterinary Medicine from the Fort Worth Kennel Club has been announced by A&M President Earl Rudder.

The grant is in support of research on the thyroid function in dogs being conducted in the Department of Veterinary Medicine and Surgery under the supervision of Dr. E. W. Ellett, associate professor of veterinary medicine and surgery.

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