



Fresh pineapples 'fore' sale

The pineapples were grown in Hawaii, but the selling of them will be "Done in Durham."

United Air Lines will fly fresh pineapples from the Aloha State for next week's "Done in Durham" exhibits in the Northgate Mall. Proceeds from the sale will benefit the Duke Children's Classic celebrity golf tournament.

The Northgate exhibits will be on display Thursday-Saturday of next week, March 9-11.

The Children's Classic, which raises funds for the Department of Pediatrics, is scheduled for May 27-28.

Clinical investigators honor Wyngaarden

The Southern Society for Clinical Investigation has honored a Duke physician whom it cited as "a leader in the advancement of medical research, teaching and academic principles."

Dr. James B. Wyngaarden, Frederic M. Hanes Professor and chairman of the Department of Medicine, received the prestigious Founder's Medal at the group's annual meeting in New Orleans.

This is the fifth year that the award has been given. The first recipient in 1973 was Dr. Eugene A. Stead Jr., Wyngaarden's predecessor as chairman of medicine.

The award **DR. WYNGAARDEN** consists of a cash honorarium and a silver medal portraying the bust of Pierre Charles Alexandre Louis. Louis (1787-1872) was a French physician who



introduced statistics and experimental controls into medical research and is considered the founder of the scientific method in clinical investigation.

Wyngaarden's own scientific efforts have helped to explain purine metabolism and the metabolic defects of gout. Purines are components of nucleic acids such as DNA and are the chemical parents of the uric acid in blood and urine.

His findings have been important because many diseases are accompanied by elevations of uric acid in the blood due to defects in kidney excretion or over-

production of purines.

Wyngaarden, who has published more than 150 research papers, is also co-editor of several books including the "Metabolic Basis of Inherited Diseases" which has become a standard reference throughout the world, and the widely-used "Cecil's Textbook of Medicine."

Among the honors he has already received are the North Carolina Governor's Award for Science, the Modern Medicine Award for Distinguished Achievement and election to the National Academy of Sciences.

Grant to help increase harvests

A Duke researcher who has developed a device that grows and harvests viruses automatically has received an \$18,493 grant from the National Multiple Sclerosis Society.

Dr. Ralph Smith, associate professor of microbiology and immunology, will use

the grant to test and improve the machine's capacity for producing large quantities of measles virus for laboratory study.

In an interview, Smith said that he and Frank Kozoman, an electronics engineer at Duke, constructed their "Autoharvester" because earlier methods of growing viruses were both time-consuming and expensive. The previous methods also tended to damage some of the viruses they produced.

Harvests continuing supplies

Scientists need a continuing supply of high-quality viruses for experiments on infectious diseases, Smith said.

Autoharvesters are now being used in approximately 40 laboratories in this country and abroad, the researcher said. They consist of long glass bottles connected by tubing to storage tanks and pumps regulated by timers.

The bottles, where viruses are grown in infected cells, rotate continuously. At predetermined intervals, fluids containing the new disease agents are pumped out of them automatically into chilled tanks. Fresh nutrients for the cells then are pumped in automatically.

Labor-saving

The process, which Smith called "enormously labor-saving," yields relatively large amounts of high-quality virus and can be continued indefinitely.

He said he currently is testing a new method for growing viruses that replaces the long bottles with flasks containing porous plastic beads.

"One of the primary problems of producing a lot of virus is simply providing infected cells with enough surface area to grow on," he explained. "Using beads instead of smooth surfaces can greatly increase this area."



DINNER TIME—Even viruses have to eat, and Dr. Ralph Smith, associate professor of microbiology and immunology, helps them get the nourishment they need with a machine he developed. The device, called

"the Autoharvester," provides high quality measles virus for laboratory study. (Photo by Thad Sparks)

Med center loses active volunteer

Adele Masten Workman, wife of Dr. Joseph B. Workman, associate professor of radiology, died Feb. 22 in the hospital following a long illness.

She was active in the hospital auxiliary, worked in the Nearly New Shoppe and was a member of a number of community groups.

A native of Delaware, Mrs. Workman is survived by her husband, two daughters, a sister, a brother and one grandchild.

Memorial contributions may be made to the American Cancer Society.

Preschool registration

The Duke Preschool and Primary Program has a few places open in the kindergarten and in the first and second grades.

Parents who are interested should call Maria Lakin at 684-2705. Visits to the classroom are encouraged.

TAKING A BREAK FROM MEDICAL ART—Even when he's turning out medical illustrations, thousands of which he has done in his years here, Bob Blake is never far from his watercolors. Some of them are on permanent display behind him at his drawingboard in the Bell Building. Blake, who is chief of the Division of Medical Art, will exhibit 50 of his most recent watercolors during the month of March in the Morehead Planetarium at Chapel Hill. (Photo by Lewis Parrish)

