



**MESSY WORK** - Sorting the glass to be recycled into the different colors and removing unsuitable glass was a hard messy task last week for the Cadette troop. Sorting are (from left) Mrs. Karen Thompson, assistant troop leader; Mrs. Steven Thomas, leader; Mrs. Kay Thomas, president of the project sponsoring Raeford Woman's Club; Beth Cameron, Lucy Rose, Deborah Jameson and Kayla Bryant.



**SORTING** - Cadette troop leader Mrs. Steven Thomas directs Kayla Bryant (left) and Donna Bounds as the troop sorted glass at the landfill by color to be recycled.

## Hardy Bacteria Pay Little Attention To The Climate

Bacteria live anywhere, eat anything, and someday may qualify as one of man's best friends by doing what comes naturally.

Some of the tiny creatures thrive in 140 degree heat. Others live comfortably in freezing conditions, the National Geographic Society says.

Bacteria frozen in Antarctica for at least 10,000 years recently were revived when exposed to air and were grown in active colonies by two scientists.

The researchers, Dr. Roy E. Cameron and Frank A. Morelli of Darwin Research Institute, Dana Point, California, told the National Science Foundation the bacteria were found in permanently frozen ground and sediment cores drilled at two, separate sites.

**SURVIVE IN SPACE.**  
"These new results could have tremendous relevance for understanding the ability of microorganisms to remain frozen in a state of suspended animation hundreds of thousands of years," said Dr. Cameron.

"Scientists involved in the Viking Lander on Mars, which will attempt to detect life on the Martian soil in 1976, will obviously be interested in the findings in the Antarctic cores. They may well speculate that if no life forms are found on the surface of Mars, the subsurface permafrost of the planet may hold the key to ancient and living biota deep within it."

Bacteria have shown an ability to thrive in space. A colony of the hardy

cells was discovered alive and well on a television camera returned to earth by the Apollo 12 astronauts after two and a half years on the moon.

Some of the smallest and least appreciated of man's friends, bacteria once were identified as plants. But the tiny organisms seemed out of place in that classification.

Only a few species contain chlorophyll, the pigment of plants that gives them their characteristic green color and enables them to use sunlight for growth.

Beyond that, they move around under their own power, like members of the animal kingdom.

**OCCUPY NEW KINGDOM.**

Biologists resolved the problem in the last few years by placing bacteria and other simple organisms such as fungi and algae in a third kingdom known as Protista.

Protista are tiny cells that can measure about 1 micron, or .000039 inch. They are similar to, but more primitive than, the cells that make up higher organisms. Some species are so small that a million could easily fit on the point of a needle.

Like all living things, bacteria require food as a source of energy. They can make a meal of crab shells, railroad ties, transmission grease, or old rubber tires.

Special strains of waste-digesting bacteria may someday solve the nation's refuse problem by converting some kind of trash into a new source of food for animals.

## Livestock Loans Available

North Carolina livestock farmers squeezed by high feed prices and depressed live cattle and hog prices may obtain loans to maintain their operations through the Farmers Home Administration, state director James T. Johnson announced.

The loans - up to 80 percent of losses sustained - are made by banks and other lenders and guaranteed by Farmers Home Administration, Johnson added. Individual loans to farmers primarily and directly engaged in agricultural production of livestock may be guaranteed up to \$250,000.00. The rate of interest is negotiated between the producer and lender, with up to three years for repayment.

"This loan guarantee program will be effect through July 25 of this year" the FmHA director added. \$20 million has been approved for North Carolina and approximately \$2 million has already been obligated.

"Anyone interested in these guaranteed loans should contact his bank or other lender. When the loan amount, terms of repayment, interest and other details are complete, the lender may request the guarantee from the Farmers Home Administration office," the state director concluded.

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## Accent On Agriculture

Modern agriculture cannot continue to provide sufficient quantities of high quality food and fiber to meet the nation's needs without the use of agricultural chemicals and drugs. Any undue curtailment of the safe and appropriate usage of these products will result in lower quality food and fiber at higher costs to consumers.

The Environmental Protection Agency (EPA), for example, has banned aldrin and dieldrin, two pesticides that had been the mainstay in the farmers' battle against cutworms, army worms and other agricultural pests.

The scramble is on to find adequate substitutes, but alternatives are in short supply and there is no doubt in anyone's mind that the price will not be cheap.

In the absence of positive proof that a specific agricultural chemical or drug represents a clear and present danger to either health or the environment, the use of such chemical or drug should be continued until an acceptable substitute is available.

Also, in any evaluation of chemicals and drugs, the possible detrimental effects must be considered in relation to the benefits derived. Only through this means can a balance between environmental control and chemical control be effectively attained.

The American consumer needs to know what the impact will be on farming, food supplies, and food quality when agricultural chemicals are removed from the market.



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## Hoke Mother Organizing Concerned Parent Group

A Hoke County mother hopes to form a parents' group to improve communications between parents of Scurlock students and the school.

Mrs. Brenda Parker wants other parents of Scurlock students who are interested in their child's school and the education their youngsters are receiving,

to contact her at 875-5518. "I would like to gain a better understanding between the parents, the teachers and the kids," she said. And I'd like for parents to have a voice in the operation of the school."

The group would be called Concerned Parents and Teachers of Scurlock.

## Farm Show To Combine Glamour And Practicality

Practicality and glamour will combine at the Southeastern Farm and Home Trade Show, set for the Cooperative Warehouse in Lumberton, on Feb. 19 and 20.

Farm equipment of every sort will be

### New Attic Hours

The Attic, thrift shop sponsored by the two womens' clubs in Raeford, is now open on Thursday from 10-12 to take in items.

on display, but there is a particular nod to tobacco, a major crop in the Southeast.

There will be tobacco curers, harvesters, model tobacco barns, in fact, all the equipment that it takes to make a crop of tobacco from seedbed to finished crop. Important exhibits will be shown of once-over equipment for in-row subsoiling, applying nematode treatment and proper row bedding.

On the glamour side is Miss North Carolina's appearance on Thursday. She will be joined by some ten other beauty queens as well as other dignitaries.

## Circus Is Coming

Ringling Brothers and Barnum & Bailey circus will present its Bicentennial edition in a two-day engagement at the auditorium in Fayetteville March 4-5.

The show will feature the famous animal trainer Gunther Gebel-Williams and will include dozens of European circus acts in their American debut.

## Gas Broadcast Set

North Carolina State University Television will present "The Energy Crisis in North Carolina: Natural Gas" at 10 P.M. February 7, on Channel 4.

Energy experts will discuss the effects of the recent cutbacks of natural gas.



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