

# Phosphate Industry Poses Danger

By GRAHAM JONES  
 RALEIGH—North Carolina, which once shipped its cotton to northern states and England to be made into cloth, could end up doing the same sort of thing with its valuable phosphate resources, N. C. State University engineers fear.

It is an economic danger which the NCSU Industrial Extension Service (IES) is seeking to overcome.

"We have a survey underway," said John Hart, director of the IES, "which we hope will trigger action to develop the elemental phosphate industry and allied manufacturing operations in Eastern North Carolina."

J. Frank Seely, a chemical engineer at NCSU, is conducting a survey on the potential for establishment of phosphate-based manufacturing in North Carolina, where a rich lode of phosphate minerals is being mined.

Seely is studying the problems and promises with industrial development agencies, federal officials, transportation experts, power company officers, bankers and others.

The focus of Seely's study is the impact phosphate mining operations may have on the industrial economy of Eastern North Carolina.

The importance of the NCSU survey is pointed up by the market for phosphate products.

Hart and Seely noted: "The cause for this study has been created by the extensive use of phosphate chemicals by industry."

For example, they note, phosphates are basic to "fertilizers, food processing, soft drinks, medicines, detergents, textiles and toothpaste."

Hart and Seely calculated the value of using Tar Heel phosphate ores for Tar Heel phosphate pro-

ducts:

—Textiles, North Carolina's largest manufacturing industry, "uses phosphorous derivatives for textile fibers and fabrics."

—The market potential for phosphate use in water conditioning is estimated at more than \$250,000 in North Carolina annually and \$20 million in the Southeast.

—The N. C. food processing industry could require \$3 million worth of phosphorous chemical each year.

Before the chemicals used in such industries can be manufactured, the raw phosphate being mined around Aurora must be converted into elemental phosphorous.

"The ultimate goal of this survey," Hart concluded, "is to trigger the cooperative effort that will be needed to see that North Carolina, which is profiting from a rich resource, will profit even more from value added by manufacture."

North Carolina State University started programs for developing the phosphate industry in North Carolina before any ore was being mined.

University engineers at the NCSU Minerals Research Laboratory conducted feasibility research studies for Texas Gulf Sulphur Company prior to that company's multi-million dollar investment in Beaufort County.

Dr. Leo Miller and Dr. Guy T. McBride, the first two heads of the Texas Gulf operations in this state, have credited the NCSU studies with contributing substantially to the establishment of Texas Gulf Sulphur operations at Aurora.

To encourage the location of chemical products manufacturing in Eastern North Carolina, the NCSU School of Engineering and its Industrial Extension Service conducted a chemical complex conference for several hundred industrial developers and chemical company representatives in March, 1965.

At that conference, NCSU authorities noted that a phosphorous plant, producing 15,000 tons per year would hire at least 110 people. Such a plant would provide an annual payroll of more than \$300,000.

It is those jobs for Eastern Tar Heels and that payroll for eastern counties that the NCSU Industrial Extension Service wants to develop in this state.

# Distaff DEEDS

By Jan Christensen

**Best She Can Afford**  
 Mrs. Mildred Jenkins, Williamston Route 1, a widow, uses her time, energy and small income to provide her family of five with the best she can afford.

Walking into the Jenkins' home, one would be astounded at the attractive, neat, modest home, Mrs. M. Vivian H. Morris, home economics Extension agent, Martin County, observes.

Last year Mrs. Jenkins made her own kitchen base and upper cabinets, Mrs. Morris says. However, at that time she had no convenient range for cooking; she had to use a hot plate.

Mrs. Jenkins' goal was to install a new range, refrigerator and running water this year. Through good money management, she was able to realize this goal.

Mrs. Jenkins believes you can make it if you try. "All families must set goals and use their time, energy and income to reach them," she adds.

on well-drained soil and require little maintenance, she adds.

In addition to being a beautiful addition to the farm, the sunflowers provide seeds which can be shelled out in the fall and sold for profit.

**Test Pressure Canners**  
 The pressure canner testing station in Graham is a safety precaution for Alamance County homemakers who own pressure canners, says Mrs. Rachel K. Kinlaw, home economics Extension agent.

Members of Extension homemakers clubs are cooperating in gathering up the canners in their neighborhood and bringing them to the testing station. Also, these women are telling their friends and neighbors about the service.

Some of the canners tested were 20 and 25 years old, and still in top condition. Others needed a new gauge or gasket.

When little boys stop eating candy, there will be no little boys.

# Herald Society News

Mrs. Albert Keeter returned home Monday after spending some time in Charleston, S. C., visiting her son and daughter-in-law, Mr. and Mrs. John W. Keeter.

Mr. and Mrs. W. B. Shepard, Jr., and daughters, Rebecca and Katy, and son, Billy, arrived Monday from Albuquerque, N. M., to spend a few days with Mr. and Mrs. W. B. Shepard, Sr., the Tom Shepards and the Jasper Hassells.

Mrs. W. T. Eason will be at the home of her son, Horace, at Chowan Beach, Sunday afternoon, August 18. Her friends and relatives are invited to visit her at that time.

Visiting last week in the home of Miss Sharon Keeter was Miss Millie Dale of Suffolk, Va.

Miss Marion Hassell returned home Monday after a visit to Mr. and Mrs. W. B. Shepard, Jr., and family of Albuquerque, N. M.

Mr. and Mrs. Alton Clark spent several days last week in Dillon, S. C.

Mrs. Albert Keeter has returned after spending 10 days in Charleston, S. C.

Mr. and Mrs. Terry Phillips and family spent last week at Nags Head.

With her son and family, SK1 and Mrs. John W. Keeter and John.

Miss Emily Peele is spending this week in Greensboro as the guest of Mr. and Mrs. Ray L. Evans.

Mrs. Wood Privott left Wednesday to join her family at High Meadows. She will return and spend next week at Nags Head.

Bill and Jim Garwood of Charleston, S. C., are visiting their grandmother, Mrs. Ida Mae Roberson on Court Street.

Mr. and Mrs. Bill Boyce and family spent the weekend at Nags Head.

Mr. and Mrs. Earl Britton and family are vacationing at Nags Head this week.

Mrs. Hazel Spires spent several days last week in Plymouth with her daughter and family, Dr. and Mrs. A. M. Stanton.

**Celebrating Zenith's Golden Anniversary!**

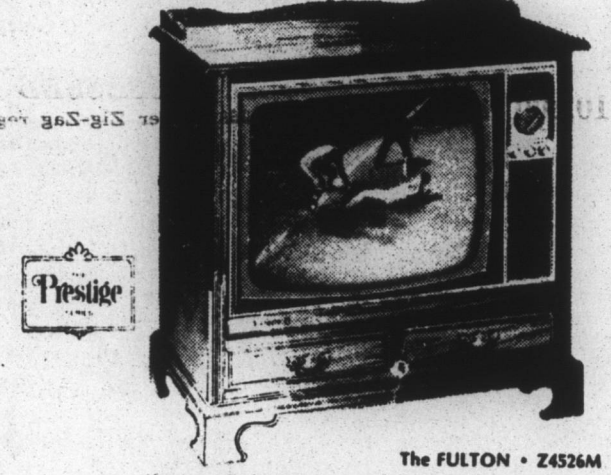
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**Sunflowers For Profit**  
 Have you ever considered planting sunflowers for profit? Mrs. Judith Pease of Anaeco Farms, Knotts Island, did.

According to Sherrill F. Brown, assistant home economics Extension agent, Currituck County, "Mrs. Pease uses all available space on her farm to plant sunflowers for their seeds. The sunflowers grow well

## Bass-Byrum

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to the Western North Carolina mountains and Tennessee. After their return, they are making their home on Route 1, Tyner.

The bride is a 1968 graduate of Chowan High School. The bridegroom also graduated from Chowan High School in 1968 and a 1968 graduate of the Agricultural Institute of North Carolina State University. He is now engaged in farming with his father.

**Pre-Nuptial Parties**  
 Prior to her wedding, Miss Bass was feted at a coke party, given by Mrs. Alvin Evans, Mrs. James Morgan, Misses Charlotte Nixon, Brenda Smith and Lou Ann Bass.

She was also honored at a kitchen shower given by Miss Wanda Morris.

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