

# Scholarship Applications

**Deadline: END OF FEBRUARY**

High-school seniors trying for the 1973 Firestone College Scholarships must have all required application material in the scholarship office of the company's Akron, Ohio, headquarters by the end of February.

Applications are open to sons and daughters of Firestone employees, and who meet further requirements as outlined in the information booklets which have been in supply at all three factories of Firestone Textiles Company since mid-December.

Students apply from all states where the company has major production and service facilities and retail systems.

Each full scholarship is worth up to \$7,000 toward tuition, fees, required textbooks and room and board expenses during four years in college.

## Earth Week

• Earth Week 1973 will begin April 9 and continue through the 15th. Purpose of Earth Week observance is to promote an awareness that people are caretakers of the earth's resources. . . . "that no longer do we consider ourselves separate from the environment or above it. Whatever affects the environment sooner or later affects people."

## NSC Honor For Safety

• The National Safety Council in late 1972 honored the Firestone company for 60 years' active participation in the organization's safety programs.

Firestone, the only firm in the rubber industry so honored, was a charter member of the council at its founding in 1913.

Howard Pyle, president of NSC, commended Firestone for its contributions to the council's 60 years of safety progress.

"The company's steadfast de-

Scholarship winners may attend any accredited college or university in the United States and pursue any desired course leading to a degree.

Besides scholarships, the company each year awards Certificates of Merit and U.S. Savings Bonds in recognition of outstanding high-school achievement among applicants.

IN 1972 the company awarded 41 full scholarships and honored 174 applicants as Merit Winners.

Of the full scholarships from last year, two are from Firestone Textiles Company: Laura Ann Hall, attending Duke University; and Samuel M. Rhyne, who is at the University of North Carolina-Chapel Hill.

This (1973) is the 21st year Firestone will have awarded scholarships in the educational-aid program. Up through last year, the company had awarded 603 scholarships.

Purpose of the Firestone program is to provide financial assistance to worthy sons and daughters of Firestone employees who seek college educations.

votion to accident prevention has written a bright chapter in America's history of social responsibility," said Pyle.

The National Safety Council strives to educate business firms, employees and the general public on safety in plants, offices, homes and on highways. Through its publications and training programs, the council provides up-to-date information on safety legislation and safe operating procedures.



Joseph P. Cangemi making a point in personality development, in one of the January classes he led at Firestone, Gastonia.

Instructor Cangemi (left) discussing study materials with (from left) T. J. Ross, shipping-receiving foreman in Warehouse; Philip Williams, factory manager; Edwin Fuller, plant manager at Bennettsville; and W. E. Lindquist, junior staff electrical engineer.

## Growth, Leadership

A continuing program to help employees to good human relationships and job leadership is now involving people of all three production facilities of Firestone Textiles Company.

The latest course in the Psychology of Effective Leadership was conducted at Gastonia, where 60 members of management and the supervisory staff completed training in two separate week-long sessions in late December and early January. People involved represent both Gastonia and Bennettsville Firestone plants.

Joseph P. Cangemi, assistant



dean of psychology at Western Kentucky University, Bowling Green, was instructor of the classes which dealt with personality and management development.

THE PROGRAM is considered a pioneering approach to employee enrichment, with industry and a university working cooperatively.

Mr. Cangemi began the program at the company's Bowling Green plant in 1972. There he conducted three courses in Management Development for supervisors and in Human Relations—Individual Behavior and Motivation. The work at Bowling Green involved supervisors and some 200 production employees.

Cangemi is now on leave from Western Kentucky University. He is doing residence require-

ments for the doctoral degree at Indiana University. In the fall of this year he will return to WKU. Besides his teaching duties on the faculty, he will continue the training program with Firestone Textiles Company.

Firestone Textiles people who work at the Bennettsville, S.C. plant will be interested in a new eight-acre park which is planned for Hamlet, N.C. This town on the N.C. Southern border, is just a few miles North of Bennettsville.

Eastside Park, expected to be completed by March or April, will have two tennis courts, two basketball courts, two cookout shelters, a football field, a baseball field, a Little League field, and lots of trees.

## FROM Old Tires:

### FOOD, SOIL CONDITIONER, WATER PURIFIER

Cotton stalks and the boll gleanings are good mulch and natural fertilizer for growing vegetables and other crops. Too, cotton hulls and the seed meal are excellent organic fertilizer.

These by-products of one of the original textile fiber plants have been known as recycle materials to perhaps as far back as the beginning of spinning and weaving.

Besides natural recycling, science has been finding exciting ways of converting textiles sources, such as cotton and soybeans, into all sorts of products.

Protein food is one example.

Comes now an impressive discovery for the use of discarded tires, made principally of rubber and fabric. A project sponsored by the Firestone company found that the old tires can be used to produce high-protein food, condition poor-quality soil and purify water.

Dr. Glen Alliger, Firestone's director of research, reported: "These are only initial findings and, while they are exciting, a great deal of research is needed to find out their practical value."

In the two-year, company-sponsored study, scientists were able to grow a yeast-base of food on shavings taken from scrap tires. Although rather tasteless, the food produced is nutritious and suitable for human and animal consumption, Dr. Alliger reported.

"Low productivity was the major problem we

encountered in making the food," he notes. "Large quantities of water and sterile air were needed for proper fermentation while the yield was relatively small."

The study was conducted at Rutgers University's Institute of Microbiology, under direction of Dr. Walter J. Nickerson, and at Firestone's Central Research Laboratories in conjunction with the company's overall waste-control program.

As part of the project, scrap rubber was shredded, reduced to powder with fungi and then mixed with unproductive soil such as sand and clay.

Alliger said the powder improved the ability of sand to hold water and reduce the density of clay allowing water to penetrate. As further proof that poor-quality soil could be improved, the scientists grew kidney beans in sand mixed with the powder.

Another experiment: They found that when water was mixed with the powder, certain impurities which were in the water were removed through an ion-exchange process. Thus, scrap tires may prove useful in cleaning polluted water, Alliger observed.

The scientists also found that discarded tire rubber could be used in producing several organic chemicals. One of them—a polysaccharide—can be used to obtain a type of sugar.

The Firestone company is seeking patents covering these processes with discarded tires.

## 'Col. Lovingood, Suh'

KENTUCKY

Vernon Lovingood, who retired from the Bowling Green plant in late 1972, is the fourth man associated with Firestone Textiles Company to be appointed to the honorary order of Kentucky Colonel.

Lovingood, who spent many years at the Gastonia Firestone plant and transferred to Bowling Green in 1968, moved back to Gastonia upon his retirement. He had been BG Twisting department manager.

Just before Lovingood left Kentucky, Gov. Wendell Ford honored him with the Colonelcy membership.

IN 1967 the late Harold Mercer was made a Kentucky Colonel by Gov. Edward Breathitt. Soon thereafter, Mercer—at that time president of the textile division—was honored with a sec-

ond Colonelcy by incoming Gov. Louie B. Nunn.

Then Gov. Nunn added two other Firestone Textiles Company men to the Colonel list: President James B. Call; and Francis B. Galligan, at the time the plant manager at Bowling Green. Galligan later became division general factories manager, a position he still holds.

Christine (Mrs. Earl) Clark, secretary to James B. Call, division president, is the 1972-73 secretary of Gaston County unit, American Cancer Society. She also serves as chairman of the "Reach for Recovery" committee of the cancer program.

Christine calls attention that April will be observed locally and nationally as Cancer Control Month. Major emphasis is on informing the public of cancer warning signals and value of early treatment.