# **Strip Mines Beautified By Foresters' Planting**

Mother Nature is getting a face-lifting job thanks to forestry researchers at the University.

Lands left raw and ugly by strip mining operations are now being dressed up and beautified through experiments being conducted by the School of Forestry.

In cooperation with the Northeastern Forest Experiment Station of the United States Forest Service and the Pennsylvania Department of Forests and Waters, they are giving tures, the library also maintains

old "Mom Nature" a helping hand in restoring vegetation on growth. A more complete evalland denuded by strip mining op- uation was made after five years,

erations. The experiments, in the bituminous coal fields of central and western Pennsylvania, are located as close as Snow Shoe and Philipsburg and as far away as Pittsburgh.

years ago under the direction of Promising hardwoods include Dr W. C. Bramble, then acting black locust, white ask and red ductor of the School of Fores- oak. mer to become head of the Department of Forestry at Purdue University, his job was taken over by Wilham R. Brynes, in-structor in forestry, who had been associated with the project since 1952.

The experiments consist mostly tree and shrubs on the spoil piles of researchers also found that some in the political campaigns of its (piles of dut and rocks left claimed for farm lands. With through strip mining operations), proper fertilization and care the and checking their growth per-usual crop rotation of corn, oats, thing from helping at the political campaigns at the political everyiodically.

The problem of waste land left by strip mining has been around since the Civil War, but around since the Civil War, but before World War I strip min-ing did not expose tremendous amounts of land. There were plantings on some of these again of their own accord. World War II, however, brought before World War I strip mining did not expose tremendous amounts of land. There were plantings on some of these areas and some trees just grew again of their own accord.

a great demand for coal Strip material are also planned. mining expanded, and with new and bigger machinery available more and more land was torn up and denuded.

and denuded. University research, which be-gan in 1946, received its impetus from the Bituminous Coal Open. Pit Mining Conservation Act passed by the state legislature in 1945 The law requires coal operators to level the strip mine suites and to revere tate with trace sites and to revegetate with trees, shrubs or grasses. In 1946 and 1947 a series of

23 test plantings were begun. Researchers first went out into the fields and classified spoil bank material from geological findings. They wanted to know the actual soil content of the piles. The big question was-was there any soil?

was there any soil? They measured the moisture content of the piles, the acidity, the water relations, the tempera-tion and the wind movement. There's more than meets the eye to planting a tree. Thankin addited pied. This program was made possi-the Visca station of the U.S. Department of Health, Education and Welfare. The program at the University, directed by Dr. Kenneth W. Hylto planting a tree.

Once plantings had been estab-lished, the big question was— For the fall semester the fol-

and this summer a 10-year evaluation will be begun. Results of these evaluations

of soft wood for trees for spoil bank cover seems to be Banks away as Pittsburgh. They were begun more than 10 pine and Japanese larch.

In 1949 and 1950 a study was started to see how quickly na-ture alone would revegetate the stripped areas. A few of the early invaders were aspen, red maple, fire cherry, poverty grass and dewberry.

In the course of their studies,

areas have already been re-claimed for farm land.

The researchers now plan to ization,

Graduates Will Help Handicapped chapel Vesper Services

Thirteen graduate students at the University are enrolled in a 15-month program in rehabilita-tion counselor work with the physically, emotionally and men-Monday and Thursday beginning tally handicapped.

to planting a tree. They found that the newer areas of strip mining operations were suitable for plant and tree growth and then moved on to older areas. Here they investi-gated what was growing already to gain hints as to what would grow in the future. One planting a back here each the project Conservation of the training of re-habilitation counselors are held on campus under the auspices of the project

Young GOP have shown that the best kind of soft wood for trees for spoil Offers Work In Politics

The Young Republicans of Cen-tre County offer students the op-portunity to learn the ins and

outs of political campaigning. It is a national organization which attempts to prepare its members for political work on a national, state or local level.

The group takes an active part

etc., can be grown again. Some areas have already been re-claumed for farm land. connection with the senior organ-

all-college group.

National and state conventions are held in alternate years. The national convention for 1959 will be held in Denver, Colo. next summer

summer. David West, chairman of the Young Republicans of Centre County and of the University chapter, said the downtown campaign headquarters would be opening around Oct. 1.

this week.

## Will Begin Thursday

### Community Living-special school.

(Continued from page five) first floor. Undergraduate stustacks. Any books they may need

sufficient material in the reading rooms, a reference de-partment is located on the second floor of the library. A per-iodicals reading room is also located on this floor.

In addition to its regular feaan audio-visual aids collection on the ground floor. Here students can see and hear educa-tional films, tape recordings and language and speech records.

On the third floor of the library is the Penn State collec-tion where the history of the University is chronicled through clippings, paintings and local museum pieces.

The services of the Pattee Library are supplemented by several smaller libraries on campus, each pertaining to a

This year the library will redents are not allowed in the ceive aid in the purchase of books and manuscripts from the newly from the stacks can be secured established James Milholland Me-by filling out a call card and morial Fund. The fund was es-giving it to a librarian. For students who cannot find member and president of the Board of Trustees.



# RINGS

and we're not talking about Penn State class rings today. This is a ring especially popular with you freshmen and sophomores who can't get your class rings yet.

We're talking about a Sterling Silver ring with the Penn State seal on it. This popular gift is now priced at only \$2.75\*.

If you've been admiring these rings on your classmates, why not come in tomorrow. Ask Jenkins to show you his complete line of Penn State jewelry.

\*plus tax

L. G. **C** 

in the "A" Store

The Dharma Bums by Jack Kerouac



what season was the best for planting—spring or fall? "In general," said Byrnes, "the spring plantings were more successful. However, cer- tain species had better survival when planted in the fall." At first the trees were eval- uated every three years to de- termine e arly survival and Frank Williams.
WANTED
RESPONSIBLE STUDENTS TO CALL ON
FRATERNITIES, SORORITIES, AND
RESIDENCE HALLS TO DEMONSTRATE
AND SELL DAILY USED PRODUCT.
EARN \$100 TO \$200 EXTRA A MONTH.
WRITE FOR DETAILS FOR IMMEDIATE START.

P. O. BOX 497, INDIANAPOLIS, INDIANA

Two excited young men search for DHARMA or Truth in this latest novel by Jack Kerouac, who first introduced the Beat Generation in On the Road. The Beat Generation is the present generation of men who will sacrifice anything for security. This search involves the men, together and separately, in a series of free-wheeling explorations written with the same humor and contagious zest for life that sparked the earlier novel. Only \$3.95

We have paper-bound copies of Steinbeck's GRAPES OF WRATH!

### The PENNSYLVANIA BOOK SHOP

129 West Beaver Ave. State College, Pa.

Daily 9 to 9 Sat. 9 to 5:30