

UNIVERSITY CONTRIBUTES TO NATION'S PREPAREDNESS in case of war by sponsoring a bomb-shelter seminar. Professor Allen Dill, co-chairman of the seminar, discusses a structural design problem with one of the men attending the seminar.

# Wave Changes Unique 'Scope From Satellite To University

THE TRANSIT SATELLITE is also being used to study scintilation of radio waves caused by irregularities in the ionosphere. This is the tendency of radio waves to "twinkle" in the same way that stars do. This effect is—One of the first acquisitions particularly propagated at Ninds of particles.

Sizing all kinds of particles.

John H. Graham, of Doyles-town, a candidate for a master of science degree in chemistry, will operate the microscope during the coming academic year.

One of the first acquisitions are propagated at Ninds of particles. particularly pronounced at North-for the PSU library was a book ern latitudes and is related to the entitled, The Fruit Grower's aurora borealis, or northern lights. Handbook

A 10 11

# Lab Measures DuPont Gives

Lab is hitching a free ride on scope valued at \$27,000 has on the science of forest genetics its gounders thought "college" the Navy's Transit 4-A satel-been presented to the depart-tree strains, he said. lite which went into orbit ment of chemistry by E. I. du University's 6600 acre Stone Val-June 28, Dr. William J. Pont de Nemours & Co., Wil-ley experimental forest in projlite which went into orbit ment of chemistry by E. I. du Ross, associate professor of elec-mington, Del., for instructional ects with the woodcutting crews.

A ground receiving station on type of electronic microscope dethis campus and one to be established on the equator at Huan-lished on the equator at Huan-cayo, Peru, will be used in the extra the cayon of counting and extra the cayon of t sizing all kinds of particles

TUESDAY IS

STEAK DAY

SIRLOIN STEAK Grilled or Broiled to your choice and served with Fresh Garden Salad, Golden French Fries, Our Own Baked Bread,

\$1.29

Our New Hours to Serve

You Better Will Be 7:00

s.m. to 11:30 p.m. Daily.

**FAMILY RESTAURANTS** 

230 E. College Ave.

State College, Pa.

Creamery Butter and Apple Butter.

# Dutch Student Says U.S. Wastes Wood

A Netherlands student studying forestry here hazed" at the wastefulness of wood in this country.

Here the tasks of the free parking meters one merchant suggested that the Chamber of Commerce try to get the free parking experiment extended.

THE DOWNTOWN merchants are the country of the cou "amazed" at the wastefulness of wood in this country.

In the Netherlands, a country about the size of Pennsylvania, there are 10 times as many people and the forests are not as numerous. The conservation of trees is carefully ing facilities, 20 to 50 per cent

practiced there, Jacob M. Re-

varieties of commercial value in

varieties of commercial value in his country.

REMEIJN IS STUDYING here as part of his requirement for practical experience in forestry to earn his master's degree. He will non-credit summer music traincomplete his work at the Netherlands Agricultural University when he returns to his country in September.

The summer band school will present music by Mozart, Handel, Purcell, Gabrieli and other composers at 8:30 tonight in Schwab. The 70 students attending the non-credit summer music training course will present three more concerts in the next week.

The orchestra will give a concert at 8:30 p.m. Tuesday in

A new method of preparing Schwab.

trees for pulp wood cutting called "chemical debarking" is one of the summer term music school is the practical experiments he is scheduled for 8:30 p.m. Thursday participating in.

In this process, he explained, a The participants in the concerts "frill" is cut around the base of are high school students attending the tree and a special poison ap- a 5-week program of professional process, he said.
THE DUTCH, though limited in

The Ionosphere Research A Cintel scanning micro-have a well-developed program the Farmers' High School because

# meijn, graduate student in forestry from the Netherlands, said. Remeijn was also surprised at the variety of species of trees here—over 100 major species in this area alone compared to 25 The summer hand school was provided by the state of the summer hand school was provided by the state of the summer hand school was provided by the state of the summer hand school was presented by the summer hand scho

The summer band school will

cert at 8:30 p.m. Tuesday in

in Schwab.

plied. The poison, over a period training in music. The summer of a year, loosens the bark, sea-music school sponsored by the sons the tree and dehydrates it, Music Department offers chorus, he said. The dry, debarked wood band, and orchestral besides pri-is easier to truck and quicker to vate lessons on an instrument of their choice.

> Penn State was first called contracted idle habits.

REPAIRS **PARTS** ACCESSORIES

Western Auto

200 W. College Ave. AD 7-7992 AAAAAAAAAAAAAAAAA

Ross, associate professor of electronical engineering, said.

Ross said that although the satellite is primarily a navigational instrument, the lonosphere Lab is making free use of its signals to further studies of the earth's atmosphere.

"The lonosphere Lab has been studying the physics and chemistry of the high atmosphere for the past 13 years and the news satellite method simply enables another piece to be fitted into place in the picture? Ross said.

USING THE SATELLITE, Ross and his associates are studying the satellite until they are received on the ground.

Electrons in the ionosphere cause the changes in radio waves and the greater the number of electrons, the more the waves are affected.

A ground receiving station on this campus and one to be estab-veloped by Rank Cintel, Ltd., let a proposed in station in the control concept of the ground receiving station on this campus and one to be estab-veloped by Rank Cintel, Ltd., let a principle of instructional use.

"The microscope, also known as a flying spot resolver, will be of studies with the woodcutting crews. He has been working at the Forestry Summer Camp at Mt. Alto for the past month and returned to the campus Monday to continue his studies with Dr. Mar y willard, professor of chemistry. She said that the microscopy." said Dr. Mar y willard, professor of chemistry. She said that the microscope in studies of the attention in the United States. The others are at the Monsanto Chemical Company, and the Oak Ridge National Laboratories.

Arrangements for the du Pont's Experiment Station, and Dr. Willard. The gift was authorized by T. L. Twilley, control manager of du Pont's Central Research Dept. in the Light and Electron in the Council of the American Classical Company, and the Oak Ridge of the department of Romance Industry. Accident the Monsanto Chemical Company, and the Oak Ridge of the department of Romance Industry. Accident the Monsanto Chemical Company and the Oak Ridge of the American Classical Company and the Oak Ridge of the American Classica Now that you've seen the book list on pages 6 & 7 ... hurry down to the Dollar Day book sale now in progress at...

## KEELER'S

The University Book Store Across from the East Campus Gate

# CLASSIFIED

1949 PLYMOUTH 4-door sedan. Good running condition. Battery and nylon tires almost new. \$60 or best offer. AD 8-1428.

1959 TR3 TRIUMPH, radio, excellent con-dition. Call Clearfield PO 5-3365. 1949 WILLYS Jeepster Roadster, good STUDENT WILL DO typing in campus condition, new tires, radio, good gas and oil mileage. \$300. Call AD 7-4046.

FOR RENT

AVAILABLE SEPTEMBER—very attractive room for woman graduate student. Conveniently located. Breakfast privilege. Prec parking. Phone AD 7-3033.

PART-TIME WORK for college men, Ap-

## FOR RENT

TEN POUNDS Imported Pure Mexican Mercury (Hg) in original sealed container. For additional information phone AD 7-7909.

(COZIEST PLACE in the Park). Roomy 1954 Continental House Trailer; well-kept, fully furnished. Extras—large patio, white picket fence, shade tree, added room, dish washer, Price—\$1800, 76 Woodsdale Trailer Park, AD 8-1636.

1949 PLYMOUTH 4-door sedan. Good

### WANTED

NFEDED DESPERATELY — Ride to State
College from Allentown on Friday, July
pression cam—\$200. Lou AD 8-6925 after
p.m.

NFEDED DESPERATELY — Ride to State
College from Allentown on Friday, July
28th; return Sunday. Call Jan—immediately at UN 5-2728.

### MISCELLANEOUS

1956 CHEVROLET 2-door, standard transmission, 5 new tubeless tires, new 6-cyl. motor. Very cheap. Contact AD 8-0248.

Leaving Supplies. Shop Nittany Office Equipment, 231 S. Allen St. AD 8-6125. TYPIST AVAILABLE: Application forms, business letters, term papers. Call AD 8-9538.

Free parking, Phone AD 7-3033.

PART-TIME WORK for college men, ApPURNISHED APARTMENT for one or two
students. Summer and/or fall rental,
two blocks west of campus. Free parking.

Interested in marketing may apply. Salary
Call AD 8-1409.

### Boro Parking--

(Continued from page one) membership is \$2 per square foot in the front of business places per year for 6 years.

In the discussion on the free

chants face the problems of a new shopping center opening outside of town with all free parkhigher tax assessments on property owners in the downtown area and the absence of University students during the Christmas season.

### **STUDENTS**

WHY ATTEND LAUNDROMAT OR POST OFFICE?

HAVE YOUR LAUNDRY WASHED & FLUFF DRIED ONLY 99c FOR 11 LBS.

> FREE PICK-UP AND **DELIVERY**

SHIRTS FINISHED 24c 24 hr. DRY CLEANING SPECIAL PRICE

Phone AD 8-6762

# AT FRANK'S HOAGIE HAVEN

the sandwiches



and they taste good too!

kinds of

real talian ZIEAK

exotic

BURGER

round

Call

AD 8-8381

for delivery from

112 S. FRAZIER ST.