



—Collegian Photo by Jim Dault

THIS GROWTH CHAMBER is used to test the properties of various plant life. Jean Snow, graduate student in pathology, is running a test on grass to see the effect of plant nutrition in disease development.

NSF Project Plants Grow in Darkness

By EMILY NISSLEY

Down in the basement of Buckhout Laboratory in a room hidden away in a dark corner are plants that have never seen the light of day.

The plants are part of a research project conducted by the

Department of Botany, sponsored by the National Science Foundation. Five people work on the project and are directed by Dr. Richard D. Schein, assistant professor of plant pathology.

Schein explained that a regular greenhouse is enough for ordinary growth of plants but he said it is not sufficient for fine experiments. Heat in a greenhouse can be controlled but the light can not, due to changing weather conditions, he said.

The growth chambers are artificially constructed chambers where light and temperature are controlled. In this way, plants are grown without ever having seen the light of day, Schein said.

The chambers were built by the Agricultural Experiment Station at the University. There are three of them in the same room, and they are about six feet high, of dark gray metal and resemble refrigerators.

The chambers are lighted by rows of fluorescent lights. At intervals between the fluorescent lights are red lights. These provide the light necessary for photosynthesis.

A fan inside the chamber keeps the air circulating and the chamber also contains a sensitive instrument to measure the amount of humidity inside. Artificial light comes through clear plastic covering on the top of the chamber.

A graph on the side of the chamber records the temperature and humidity although the chamber is controlled manually. The lights go on automatically at 6 a.m. and off at 6 p.m., Schein said.

Schein said he designed the chambers, and they were completed in September.

He said the work currently being done with the chambers involves plant diseases.

Senate Approves Special Ed Group

The Senate Committee on Student Affairs approved the charter of the Penn State Special Education Association last week.

The group will bring together those interested in the teaching of special children and will try to help them understand their profession better.

President of the association is Carole Signorino, senior in elementary education from Pittsburgh.

TIM May Buy Rope Ladders

The Town Independent Men's Council is considering supplying all town independent men with rope ladders to be used as fire escapes.

The council has requested Robert Kadis to price rope ladders at the State College fire company so that they may be used for fire escapes in those residences that lack this fire protection.

Although the residences are required to have fire escapes, many do not, Kadis said that many homeowners feel that installing a fire escape would be too costly.

If rope ladders cost too much for the council to buy in quantity, the council will act as a purchasing agent for the town men who wish to buy them.

LINCOLN*

(*Abernathy Lincoln, a windy barber from Galesburg, Illinois.)

WAS RIGHT!

"IT IS EASIER TO TRIM A MAN WHEN HE TAKES OFF HIS HAT"

HOWARD SMITH BARBER SHOP

210 S. Allen St.

The Friendliest Clip Joint in Town

Rule Change--

(Continued from page eight)

dropped, the Committee on Rules said the lapse of time between a student's disappearance from campus and reporting his absence in class is too large to provide effective information in dealing with rush cases.

KAPPA SIGMA

WELCOMES FRESHMEN

TO ITS

'CRAZY HAT PARTY'

Tonight

9:00 P.M.

"The rung of a ladder was never meant to rest upon, but only to hold a man's foot long enough to enable him to put the other somewhat higher."—Thomas Huxley

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Procter & Gamble will visit Penn State next week on Tuesday, March 1 Wednesday, March 2 to discuss your future in a challenging organization.

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*Selected for eight consecutive years by American Institute of Management as one of the country's 10 best-managed companies.

Circulatory Guide To Be Developed

A guide for high school teachers on the heart and circulatory system will be developed at the University.

Dr. Arthur L. Harnett Jr., professor of physical education, will direct the program which is supported by a \$300 research grant from the Pennsylvania Heart Association, Harrisburg.

The guide, or teaching unit, Harnett said, will make readily available to teachers information on the heart and circulatory system to help them in presenting this material to their high school students.

Intorre to Attend Meeting On Occupational Safety

Joseph Intorre, associate in charge of driver training in the University's Institute of Public Safety, has been invited to the President's Conference on Occupational Safety to be held March 1 to 3 in Washington, D.C. The purpose of the conference is to devise and apply means of reducing on-the-job accidents.

Wartik to Speak

Dr. Thomas Wartik, associate professor and head of the Department of Chemistry, will lecture on "The Boron Subhalides—a Unique Class of Substances" before local sections of the American Chemical Society during a 10-day lecture tour.

+ CLASSIFIEDS +

FOR SALE

FOOD SERVICE equipment of every type new, used and rebuilt for restaurants, fraternities, churches, hotels and schools. Stainless steel dishwashers, mixers, peelers, refrigerators, ranges, dishes, silverware and chinaware. Tremendous savings at Equipment Mfgs. Inc. R 487 Pine Street, Williamsport, Pa. 61521.

NFW AND used office desks \$10.00 up. Swivel chairs from \$7.50. Special bus in used steel lockers. Steel storage cabinets, steel files and transfer files \$3.00 up. New and used 4-drawer files—tremendous values. Adding machines, safes, etc. Steel shelving, for stores, homes and offices. Equipment Mfgs. Inc., R 487 Pine St., Williamsport, Pa. 61521.

LLOYD 1960 German sedan, 45 mpg, air-cooled, front-wheel drive. Any reasonable offer. Wheel tape recorder \$70. Larry AD 8-0724.

TWO MATCHED stereo speaker cabinets, base reflex type, fiberglass insulated, 12 inch speakers not included. Size 11", deep by 2' by 30". Very heavy construction \$15.00. John Williamson, AD 7-4917.

ICE SKATES—men's hockey, size 11—\$2.50; men's regular, size 10—\$3.00; women's regular, size 8—\$3.00. Call AD 7-2245.

1959 CHEVROLET 210 model, six cylinder, radio & heater, standard shift, less than 25,000 miles. Price \$1195. Call AD 7-3322.

ARVIN CLOCK RADIO, one year old, excellent condition. Call Abbey AD 7-4979. Good value, low price.

1961 CHAMPION Trailer 35', excellent condition; one bedroom, automatic washer, large living room, patio, large lawn. Phone AD 8-6149.

MISCELLANEOUS

GUARANTEED WATCH & Clock Repair. 30 years experience Sam Diaz, opposite school Pine Grove Mills, AD 8-8047.

EUROPE THIS summer? You'll get more out of the experience if you learn a language while you're there! For information call Lolli UN 6-2631.

SPECIAL REDUCED student short-term rates for TIME, LIFE, SPORTS ILLUSTRATED, NEWSWEEK. Mail your card now or write College Magazine Service, Box 437, State College, Pennsylvania.

TYPING — reasonable, prompt, electric typewriter. AD 7-7655.

ENROLL NOW for ballroom dancing (tap, toe or acrobatic lessons) Professional School of Dance. AD 8-1078.

LOST

INTERMEDIATE RUSSIAN and Beginning German textbooks. Urgently needed. Call AD 7-4446.

ANYONE FINDING pair of taped glasses lost Friday call Bob UN 5-6213.

SCARAB BRACELET lost last week. Sentimental value. Reward offered. Call UN 5-2656.

LARGE GOLD Pin engraved A.J.F. If found, please call Andrea UN 5-4640.

HELP WANTED

COLLEGE STUDENTS—students looking for part-time work 2 evenings a week and a half day Sat. Call Mr. Lichtenfels AD 8-2071 10 a.m.-2 p.m. Salary \$45 per week. Male student only.

ANYONE INTERESTED in a summer camp job write to: Mr. Jerry Stein, 134 Juniper Road, Havestown, Pa. for interview. Interviews held on campus Feb. 27. Camp one hour from Philadelphia.

KITCHEN HELP at fraternity house. Work for meals. Ask for caterer. AD 7-4102.

KITCHEN HELP wanted for fraternity. Call Dave, AD 7-1953.

WANTED

BOWLERS, DATES, open alleys every night anytime 6:30 p.m. to 9:00 p.m. Also 9 to 12 p.m. Rates 32c. No waiting. Phone AD 8-9148. Downtonw Dux Club, 128 S. Pugh Street.

GUITARIST DESIRES position with area dance band. Experienced, dependable. Phone AD 8-9148. Downtonw Dux Club, after 6 p.m.

RIDERS FROM York to State and return—weekends. Call Bob Handley, AD 8-9125 after 7 p.m.

WANTED MALE student to share modern efficiency apartment, 126 E. Fairmount. Phone AD 8-2063.

TWO MEN to share apartment in Metzger Building. Call AD 8-1604.

FOR RENT

ONE-HALF LARGE living and sleeping room, kitchen privileges; also 1/2 large room, quiet, very clean, 1 1/2 blocks from campus. 296 South Frazier Street.

ONE LARGE single room on first floor close to the campus, low rate. AD 7-7888.

APARTMENT FOR 3 male students near golf course. Call AD 7-7295 after 5 p.m.

ROOM NEAR golf course; lady preferred. Call AD 7-7295 after 5 p.m.

SINGLE ROOM, hot and cold running water, parking; central; quiet. Call AD 7-7792.

SINGLE OR double room with or without board. 243 South Pugh St.

NICELY FURNISHED single room and 1 double for male students, near campus, reasonable, parking privileges. Call AD 7-7906 or EL 5-4302.

COMFORTABLE, MODERATE rate accommodations with private bath or running water. Colonial Hotel, 123 W. Nittany Ave., State College. AD 7-4860 or AD 7-7792.

ROOM & BOARD

RESERVATIONS NOW being taken for room & board for spring semester at 317 E. Beaver Ave. & 220 S. Allen St. For complete information ask for Mrs. Petriski at 317 E. Beaver Ave.

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