



THE ENEMY IS NOT ATTACKING! This is how rain looks on a radar screen. The screen covers a radius of 80 miles with the campus located in the center. The white line in the northeast corner represents a squall.

Radar Set Used In Weather Studies

By JOEL MYERS

Every sprinkle of rain that falls within 80 miles of State College can be located by means of a powerful Army radar set which is being used for weather research by Dr. Charles Hosler, associate professor of meteorology.

The radar, which is the most precise and powerful weather tracking set in the United States, is being used to determine the effect of the topography of the Central Appalachians on the formation and movement of air mass showers.

The radar set is a mobile unit which is hauled by four trailer trucks. The set, which includes a built-in computer and a tracking device, is valued at \$750,000.

Whenever rain is falling in Central Pennsylvania, the radar is in operation and Hosler or one of his assistants can be found in front of the tracking screen.

Pictures of the radar screen are taken by a Polaroid camera and they are compared with weather maps that are plotted on the basis of Weather Bureau observations that are taken at various locations in Central Pennsylvania.

The factors that determine the generation and propagation of showers are quite complex and much is still to be learned about them. Hosler believes that the turbulence created as air flows over a mountain ridge is one of these factors.

He also believes the contrast in temperature between the sunny and shady sides of a mountain as well as the differences between green areas and barren slopes play an important role.

As it rises, he tracks it by means of the radar. By simply observing the balloon rise and plotting the various positions he can determine the upper level winds.

In order to determine the upper level winds in all kinds of weather, Hosler developed a rather unique method. He ties some ordinary aluminum foil to a weather balloon and then launches it.

UCA Will Present Talk On Steel Strike Conflict

The University Christian Association will present a panel discussion from 7:30 to 9 tonight in the main lounge of the Helen Eakin Eisenhower Chapel.

The topic of discussion will be "Steel Strike . . . Railroad Trouble Brews!!! What's Ahead???" Four professors in the fields of labor, economics and political sciences will discuss labor and management conflicts and the prospects of their settlement.

ChemPhys Gets Grant

The College of Chemistry and Physics has received a \$3000 grant-in-aid from the Chemstrand Corp. in continued support of varied research on the properties of high polymers.

Atherton St. Will Be Widened

About 50 S. Atherton St. residents filed glumly out of the Borough Council meeting Monday night after losing their fight to preserve S. Atherton as a two-lane street.

The council accepted the traffic commission's recommendation that the street have two south-bound lanes and one north-bound lane as it has in the past three month trial-period.

The major changes asked by the commission were the widening of the two south-bound lanes from 9½ to 10½ feet and the removal of parking on both the east and west sides.

The Atherton street residents went before council last night to voice their objections on the grounds that the speeding cars on the streets were safety hazards and it greatly decreased property value.

Stanley J. Weintraub, instructor in English Literature, said the plan "creates more hazards than it alleviates" and it would ruin any chance the borough had of obtaining a by-pass for Rt. 322 around State College. South Atherton St. is a state highway. He urged that the plan be rejected and immediate steps be taken to get the by-pass.

Two council members, Mrs. Gladys G. Tanner and John C. O'Connor voted against the traffic commission's plan.

EE to Have Guest Lecturer

Peter H. Lord, senior engineer with the Martin Co., Baltimore Md., will be the Martin Co. visiting lecturer in electrical engineering, Dr. Merritt A. Williamson, dean of the College of Engineering and Architecture, said.

As visiting lecturer, Lord will divide his time between the Computer Laboratory and teaching courses. Dean Williamson expressed his thanks to the Martin Co. for their generosity in making the visiting lectureship possible.

Appointments of this type, Williamson said, promote a closer relationship between the University and industry since they provide an opportunity for faculty members and students to gain first-hand information on the needs of industry and also acquaint representatives of industry with the programs of the University.

ROTC Selects Fetterolf Commander of Brigade

Robert Fetterolf, senior in liberal arts from Locustdale, has been appointed brigade commander of Army ROTC Brigade and given the rank of cadet colonel.

This is the highest rank attainable in the University's Army ROTC Cadet Brigade.



Collegiate Santa Special Gifts

At Jack Harper's you will find Imported Bay Rum and Dunhill toiletries for men, handsomely designed for Christmas giving. These are the Season's best buy! Stop in, see these rollicking after shave lotion and cologne sets at 114 W. College Ave., only \$1.50 to \$5.

Give that special friend of yours a crew or boatneck sweater, shawl or cardigan style. We suggest you shop Hur's Men's Shop where you'll find all sweaters in all styles. Located at 114 E. College Ave., from \$6.95.

For the most distinctive gift-giving this Christmas, give the NEW K. Denning Originals. This is a collection of earrings, pendants, bracelets, cuff links and tie-pins . . . exquisite enamel on copper, some with fused-on Venetian glass. Get these gift items at the Treasure House, 136 E. College Ave., priced \$3 and up.

It's Mac's Haberdashery for the very finest 100% Imported Shetland Wool boatneck sweaters. We invite you to "walk up the hill" to Mac's at 229 South Allen Street and see these sweaters in all sizes and colors. Only \$10.98.

What could your younger friends back home like more than their own Penn State sweat-shirt? All sizes, and your choice of blue or white with the official Nittany Lion emblem in the center. At Murphy's, 131 S. Allen St. Yours for only \$2.98.

Books make the perfect Christmas gift for every age group and for any member of your family. You're invited to stop at the Pennsylvania Book Shop, 129 W. Beaver Ave. and see our complete selection.

For the gift of luxury, give the Evan's Buccaneer slipper made of the softest glove leather available. Its full lining gives a most-comfy feeling. See this slipper at Bostonian Limited, 106 S. Allen St. Gift priced at \$10.95.

Let your "woman" be a do-it-herselfer this Christmas. Give her a gift certificate from the Juliet Room, where she can select the shoes of her choice. The Juliet Room, 109 S. Allen St.

Faculty News

HEC Profs Attend Chicago Meetings English Instructors To Attend Meeting

Dr. Marjorie East, head of the Department of Home Economics Education, and Dr. Elizabeth M. Ray, associate professor of home economics education, participated in meetings in Chicago, Ill.

Representatives of home economics education departments from 10 states will meet in Chicago today and tomorrow to discuss cooperative research projects.

On Monday and Tuesday, the American Vocational Association will hold its annual convention in Chicago. Dr. East is a member of the evaluation committee for the home economics section at the AVA meeting.

Prof Named Coordinator For Defense Ed Act

Thomas S. Narus, assistant professor of management, has been appointed Coordinator of the National Defense Education Act in the Department of Public Instruction, Harrisburg.

For the past 12 years he has served with the University as a supervisor and coordinator of academic activities for the College of Business Administration. In addition to these duties he taught the principles of management course.

Ludwig Receives Grant For Microbe Research

Ernest H. Ludwig, professor of bacteriology, recently received a grant from the Public Health Service for research in the field of microbiology.

He was one of 98 recipients of these grants which are given to support the training of research scientists in 11 basic medical and health-related sciences.

Three members of the Department of English will take part in the annual meeting of the Modern Language Association of America in Chicago, Ill., on Dec. 27-29.

Dr. Robert W. Frank Jr., professor of English, will serve as secretary of the Chaucer Discussion Group. Dr. Gordon R. Smith, assistant professor of English composition, will read a paper, "Authoritarian Patterns in Shakespeare's 'Coriolanus'" before the literature and psychology discussion group.

Stanley Weintraub, instructor in English literature, will be discussion leader on "George Bernard Shaw: Aspects and Problems of Research."

Stannard's Phil Paper Published in 'Phronesis'

Dr. Jerry Stannard, instructor in philosophy, has had a paper, "Socratic Eros and Platonic Dialectic" published in the current issue of the scholarly journal "Phronesis."

Stannard has written several previous articles on Greek philosophy and has done research on the methodology of comparative philosophy. Last spring he was awarded a grant to attend the Third East-West Philosophers' Conference in Hawaii.

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Is This YOUR Predicament?

"I've got to get my girl a Christmas present . . . I don't have the faintest idea what to get. My girl's got everything! I'd like to get her something really sharp — but what with my budget??

THINK SO!

No girl has everything! Yours will love a pair of colored hose . . . she'll cherish a leather wallet with your picture in it . . . and be so-so cuddly in one of those luscious fur-blend sweaters. What college coed could resist a trim paisley shirt, a delicate scarab bracelet or a piece of sterling silver to add to her hope chest?



FOR YOUR OTHER 'GIRLS'

Your mother always needs a pair of white leather gloves, a new electric appliance or some costume jewelry. And all mothers love flowers. (sigh!) Sis will strut with pride when she's wearing her Penn State sweat shirt — and all teenagers really need scrap books and record albums.

Smart Collegiate Santas will be buying these very gifts for their women. And because they're smart, they'll shop in State College before they go home. Why? Because State College Santa Shops have just the gift you need and at the right price, size, shape, and color!

COLLEGIATE SANTA

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MURPHY'S

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TREASURE HOUSE

136 East College Avenue

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