

# TV Courses Set for Spring

By DON SHOEMAKER

Several sections of psychology 2 and chemistry 2 will be taught by television at the University next semester.

With an eye toward solving some of the problems which will be created with the expected increase in college enrollment within the next few years, the Fund for the Advancement of Education of the Ford Foundation has granted \$43,845 to the University for research in teaching by closed-circuit television.

The study at the University will mark the first time a program of this type has been undertaken on a large scale. Studies on the use of television for teaching have been conducted at other institutions on a limited scale, but nev-

er for any longer than brief periods of time.

The study is under the direction of Dr. Clarence R. Carpenter, professor and head of the department of psychology, and W. Conrad Fernelius, professor and head of the department of chemistry at the University.

The televising will be done on a closed-circuit system. The television picture will not be transmitted over the air as commercial television, but will be sent from camera to receiver over a coaxial cable.

Two research rooms will be set up: one in 10 Sparks and the other in 119 Osmond. Psychology classes will be televised in Sparks and chemistry classes will be televised in Osmond.

About 50 students will attend class in the room from which the television is being transmitted. About 150 students will watch the instruction on television receivers in three other rooms. A third group will attend regular classes, taught without the use of television.

During the semester, the results of teaching in each of the three situations will be evaluated.

According to Dr. Carpenter, it is hoped that the equipment will be installed by Jan. 10. The equipment for use in one of the two rooms has already been purchased and is now being tested. The equipment for the other room will be purchased over Christmas vacation.

The equipment is being bought

from the Dage Thompson Co., in Michigan City, Ind. and Westinghouse Electric Co., Philadelphia.

Two cameras will be used in each of the rooms from which the television is being transmitted, and two television receivers will be used in each class room where students are receiving the instruction.

In addition to providing a possible solution to the anticipated shortage of instructors, class rooms and laboratory facilities that will come with the expected increase in enrollment, teaching by television may have other advantages, according to Dr. Carpenter.

1. It may enable a team of instructors, each a specialist in his own field, to conduct a basic

course for large numbers of students.

2. It may enable hundreds of students to see every detail of an experiment or demonstration that can only be seen now by students who sit in the front row.

The purpose of the study is to answer several questions:

1. Will teaching by television be acceptable to the student?  
2. What about questions that students who are watching the lecture on television receivers may want to ask?

Dr. Carpenter pointed out that students who are receiving the instruction in the room from which the television is being transmitted will be able to ask

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Today's Weather—  
Colder with  
Snow

## The Daily Collegian

FOR A BETTER PENN STATE

Party  
Constitutions  
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VOL. 55, No. 60

STATE COLLEGE, PA., TUESDAY MORNING, DECEMBER 14, 1954

FIVE CENTS

## Centennial Party Invitations Mailed

Invitations and reservation application blanks for the Centennial Birthday Party to be held Feb. 22 in the Hetze Union Building were mailed yesterday and the program for the dinner has been released.

The dinner, which will mark the opening of the Centennial celebration at the University, will be held at 6 p.m. in the

### Debaters Second

## Debaters 2nd In Bucknell Tournament

Penn State debaters placed second in the Bucknell "Good Neighbor" Tournament last weekend.

Sidney Goldblatt and Carl Saperstein debating the affirmative of the national debate topic "Resolved: That the United States should extend diplomatic recognition to Communist China" defeated the Penn State Women's Debate Team, Scranton College, and Bucknell University. They lost to Wilkes College.

The negative team of David Meckler and Jonathan Plaut defeated Kings College, Bucknell, Scranton, and Wilkes.

Goldblatt ranked third in individual speaker rating in the four-round tournament.

Eight members of the debate team placed tenth in the Pitt Cross Examination Tournament last weekend.

Benjamin Sinclair, seventh semester arts and letters major, was awarded a medal for tying for highest place in the individual speaker rating with 31 out of 35 possible points in the five-round debate.

The men's affirmative team of Sinclair and Irvin Wiener won three debates defeating Pitt, Carnegie Tech, and Allegheny; tied one with West Virginia; and lost one to Pitt. On the negative team, Charles Bryson and Arthur Greenstein defeated Carnegie Tech; tied two debates with Dickinson College and Pittsburgh women's debate team; and suffered two losses to Akron College and Western Reserve.

The Penn State Women's Debate Team with Mary Maum and Betsy Sharpe debating affirmative and Julie Mayberry and Lois Hummel debating negative scored six wins out of ten rounds of debate.

The trophy for the top ranking school in the tournament was awarded to Ohio Wesleyan.

**Spring Timetables Out**  
Timetables for the spring semester may be purchased for 20 cents at the scheduling office in the basement of Willard Hall.

ballroom of the HUB on Tuesday, Feb. 22. This will mark the 100th anniversary of the University.

The official guest list includes about 15 persons, Wilmer E. Kenworthy, chairman of the dinner committee, announced. The list consists only of representatives of state and national educational organizations, and local, state, and national government officials, he said.

### Invitations to Apply

All others, including members of the Board of Trustees and members of the dinner committee, will be invited to make application for reservations.

Invitations are being sent to a list approximately the equivalent of the seating capacity of the HUB ballroom. The list includes:

Board of Trustees, Executive Board of the Alumni Association, Council of Administration, University Senate, Faculty Advisory Council, All-University Cabinet, 25 long-service supervisory, clerical and service employees, president of the Retired Staff Club, State College Borough Council and officers of selected student organizations.

After Dec. 31, available space will be offered to others by invitation.

### Dinner Program

The program will be as follows: Star Spangled Banner; invocation; dinner; cutting of the birthday cake; music by the Penn State Glee Club; introduction of guests; greetings from representatives of government, educational organizations.

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## University Is Ninth In Total Enrollment

The University, with a total enrollment of 13,110 full-time students, was ranked ninth in the nation among colleges and universities in a survey conducted by Dr. Raymond Walters, president of the University of Cincinnati. The University ranked 11th last year.

The enrollment this year, which includes full-time students at University centers as well as on campus, shows an increase of 1472 over last year's total of 11,638.

The survey, however, did not include the full-time enrollments of the University of Illinois nor the University of Texas. Both of these universities are believed to have larger enrollments than the University. The University of Illinois ranked sixth in the nation last year and Texas University was ranked below the University.

## Snow Flurries Are Expected Throughout Day

Snow flurries throughout the day are expected to add to the inch or two of snow that was expected to fall last night, the University weather station has reported.

In keeping with the first snow of more than an inch at the University during December, the weather turned colder last night. Temperatures today will hover around freezing.

Although the Borough did and will continue to receive some snow, a spokesman for the weather station said areas to the east of State College will get much more snow or rain.

Low tonight will be between 25 and 30, approximately the same as last night's 28.

## Cabinet Reports Ready

All-University Cabinet members may secure copies of reports and agendas today at the Student Union desk in Old Main for the Cabinet meeting at 8:30 p.m. tomorrow.

In grand totals, which includes both full and part-time students, the University remained in 19th place. New York University remained on top in this category with a grand total of 39,401 students.

### Covered 846 Schools

The survey covered 846 approved universities and four-year colleges—94.5 per cent of all such accredited institutions in the United States and territories. The top ten in full-time enrollment are the University of California, 35,273; State University of New York, 22,849; University of Minnesota, 20,399; University of Michigan, 18,750; Ohio State University, 18,084; University of Wisconsin, 14,952; New York University, 13,955; Michigan State College, 13,780; the University, 13,110 and University of Indiana, 12,497.

### An Upward Trend

The reporting institutions have 1,383,750 full-time and 1,895,280 grand-total students. For the second consecutive year there is an upward trend in contrast with the preceding five years of descending enrollments following the exodus of World War II veteran students. This indicates that the proportion of high school graduates going on to college is rising. The 1954 freshmen in five broad

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## Student Hurt, Autos Damaged In Collisions

One student was injured and the autos of four other students were involved in collisions over the weekend at State College.

Donald Werb, seventh semester aeronautical engineering major, suffered minor leg injuries when the car he was driving collided with another operated by Peter R. Smith, State College, Saturday at E. College avenue and Locust Lane, State College police said. Damage was estimated at \$200.

In a three-car collision, police said a car operated by Peter Kiefer, fifth semester arts and letters major, skidded and hit the rear of a car driven by David Ernest, first semester mechanical engineering major.

The Ernest car then hit a parked car owned by Bruce Johnson, third semester psychology major. Total damage was estimated at \$420.

Clyde Scott, second semester music education major, was involved in an auto mishap Saturday morning when the vehicle he was driving skidded into a car operated by Joseph Kidd, Huntingdon. The accident occurred at S. Pugh St. and E. College ave. at 1:51 a.m.

Police reported Scott was slowing down for a turn onto Pugh street when his car skidded. Total damage was estimated at \$275.

### Prexy Will Speak

President Milton S. Eisenhower will speak to the American Farm Bureau Federation in New York City tomorrow.

ONLY 4 MORE Shopping Days 'till Christmas in State College

## Red China Blasts UN Interference

UNITED NATIONS, N.Y., Dec. 13 (AP)—UN Secretary General Dag Hammarskjold was undismayed today at Red Chinese blasts at the UN for what Peiping called "illegal" interference in the case of 11 American aviators jailed as spies. He was reported still hopeful for a talk with the Peiping Reds. Persons close to Hammarskjold said he did not feel a Peiping radio broadcast this morning amounted to rejection of his suggestion for a face-to-face talk with Prime Minister Chou En-lai in Peiping on the prisoner question.

The Red radio, at the end of a long editorial from the Peiping Peoples Daily, the official Communist organ, said that the "United Nations has no right to interfere with China's sentencing of the American spies."

"United Nations discussion of

this question under American manipulation is both illegal and unjust," the radio said.

A later broadcast by the Red radio mentioned the subject again in similarly harsh terms and for the second time did not mention Hammarskjold's message.

Neither broadcast mentioned the Assembly's resolution, which also condemned Red China for sentencing the fliers.

It was reported here that Hammarskjold did not expect an immediate reply. He was represented as feeling a matter of this high importance would take time before the Communist Chinese would chart their course.

UN officials said that omission of any reference to the secretary general's proposal indicated that the question still was under consideration.

In addition to the direct mes-

sage to Chou which was sent Friday, Hammarskjold was believed to be working through Swedish and Indian channels. Both countries have diplomatic missions in Peiping. Hammarskjold formerly was No. 2 man in the Swedish Foreign Office. He is scheduled to go to Stockholm this weekend to take the seat in the Swedish Academy of Literature held by his late father. If Peiping accepts his bid for direct talks while he is in Stockholm, he could easily fly from there to the Red Chinese capital.

Soviet Ambassador Jacob A. Malik, top Moscow delegate to the Assembly, had nothing to say about the fliers. He told a reporter he had said everything he had to say last Friday when he declared in the Assembly that the 11 aviators were spies and the Chinese Reds were within their rights in sentencing them.