

### Nittany-Independent

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and their activities, with those existing here at Penn State may be achieved.

(4) To bolster a more unified Penn State spirit through the non-partisan participation of both independent and fraternity students in all College activities.

(5) In lieu of existing conditions, we will investigate the present regulations governing the women students for the possibility of making any constructive revisions.

(6) We advocate the expansion of student parking facilities, both on campus, and in the Pollock Circle, Nittany Dormitory area, to keep in line with the general growth of the College and increased enrollment.

(7) Since it is impossible to enjoy the heretofore futilely sought Sunday movies, the Nittany Independent Party wishes to promote some reasonable form of low-cost Sunday recreational activities for the students.

### Penn State Club Names Talent Show Committees

Committees for the Penn State Club's All College Talent Show were named Monday by Michael Zanecovsky, social chairman. The show, to be given in Schwab Auditorium on December 5, will be composed of acts by students of the College.

The committees and their members are as follows: Tickets, Ed Baylan chairman, James Baloz, James Rostokv, Donald Tanner, and James York; Stage hands, Edmund Walacavage chairman,

### State

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dent government associations. 7. Religious and racial discrimination have no place in our way of life and the State Party will do everything possible to eliminate these evils in State College.

The above are listed as solutions to some of the problems of today which we feel we can help to correct. As other important issues arise, the same open and direct procedures will be followed. The State Party will always be ready to work for those things which will benefit the student body, such as a sidewalk along Shortlidge road and securing a vote on All-College Cabinet for Pollock Circle and the borough of Windcrest. Also in line with this thought we will keep the issue of a Student Union alive and before the proper authorities.

### AVC Meets

There will be a meeting of the local chapter of AVC in 417 Old Main at 7:30 o'clock tonight, announced Leo Troy, chairman. At the meeting a report of the convention held in Reading last weekend will be given and business of the chapter will be discussed. After the business meeting Dr. Pundt, of the College history department, will lead a discussion of the Marshall Plan.

Richard Howe, William Schiele, and James Sentz; Program, William Betler chairman, Bob Christoff, William Manus, James Richards, Ernie Sladies, and Edward Switart; Publicity, Fred Peruzzi chairman, Robert Bensing, Joseph Dolan, William Manus, and James Sentz.



Dr. Harold F. Alderfer

Dr. Harold F. Alderfer, executive secretary of the Institute of Local Government at the College was elected national vice-president of the American Municipal Association at its convention, held in New Orleans, La.

Dr. Alderfer, who also is a professor of political science at the College, is director of the Bureau of Municipal Affairs, secretary of the Pennsylvania State Association of Boroughs, and a field agent in Pennsylvania for the American Municipal Association.

### Booters Win 6-4

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the second half, the Jeffrey defense, led by fullback Chuck Margolf and halfbacks Jack Campbell, Dean Hartman, and Ralph Hosterman, erected a tight barrier against the Syracuse attack and held the Orangemen scoreless throughout the period.

With five minutes remaining in the third stanza, the hard driving Lions knotted the count at 3-3 on Dean Witmer's second goal of the game. Fullback Frank Taucher, sustaining a sprained ankle on a goal line tussle, was removed from the game later in the quarter.

The fourth quarter spelled

## College Meteorology Scientists Produce Artificial Snow in Lab

Santa can now enlist the help of science in finding the secret to a white Christmas.

At the College, for the first time, scientists have produced snow crystals in the laboratory by a process imitating their natural production in the clouds.

The snow crystals were produced by J. Ross Heverly in the College meteorological laboratories under the direction of Dr. Hans Neuberger, chief of the division of meteorology. They then were preserved for leisurely room-temperature study.

While other scientists have succeeded in producing rain or snow by scattering dry ice into clouds, Mr. Heverly in his experiments found the conditions necessary in nature to produce snow crystals.

Ordinary air, saturated with water vapor, was cooled in a chamber to 15 degrees below zero Fahrenheit. It then was expanded to 150 per cent of its original volume in close imitation of the changes that occur in a natural cloud being formed in rising air currents.

Snow crystals, five-thousandths of an inch across, were pulled out of this air into a formvar solution, which, on evaporation, left perfect formvar replicas of the ice crystals.

The 15 degrees below zero Fahrenheit temperature was the highest temperature at which the direct change from water, in the form of a gas to water in a solid form, snow, occurred. At 30 degrees below zero, the snow cry-

State from the beginning as the Lion offense opened up on the Syracuse net. Although removed from the game in the third period for a leg rubdown, Dean Witmer returned to the drenched field in the last stanza and contributed goal number four to the Lion cause.

Center forward Fred Kretzer scored the fifth Lion tally a few minutes later, and Jack Campbell, making good use of a penalty kick, salted away the fifth Lion win of the season with the final State goal.

stals were three-thousandths of an inch in diameter and at 40 below, they were only two thousandths of an inch.

Along with the snow crystals there were numerous supercooled droplets of water. They varied in size from three ten-thousandths of an inch at minus 15 degrees to one ten-thousandth of an inch at minus 40 degrees. At lower temperatures it was found the size and number of droplets was much smaller.

### Student Co-op

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five dollars each. Capital consists of cooperative shares of present members, accumulated shares left as the gift of alumni members, and the property which they purchase. No interest is paid on the minimum number of capital shares, but additional shares which may bear interest may be issued by the society.

#### Students Decide Fees

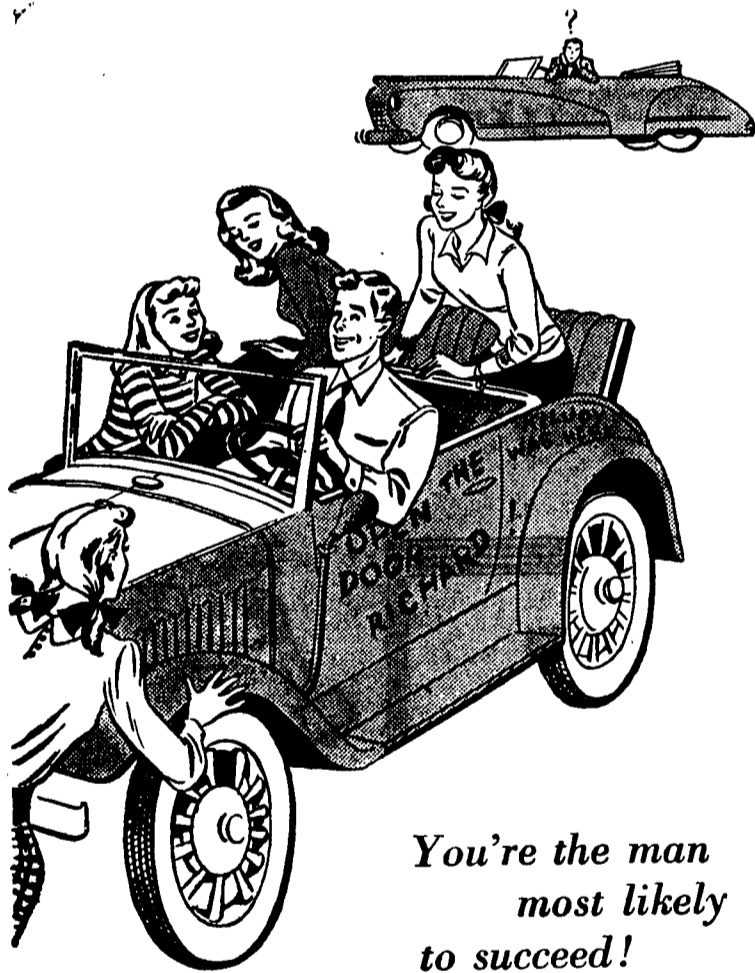
Fees for board and room are decided by the cabinet in accordance with price fluctuations and are approved by three-fourths of the active membership. At the end of each semester, after providing for the reserve fund, the overcharge may be used collectively or may be divided among the members according to patronage.

Rates at the co-op for November, minus holidays, will be \$40 total for room and board for women students, and \$30 for board for men students.

Considering that women pay \$90 for a double room and \$99 for a single room in campus dormitories, the co-op women save an estimated \$50 on room rent alone for this semester.

#### Rochdale Principles

The College Cooperative Society operates according to the Rochdale principles of consumer cooperation. These principles are open membership regardless of race, creed, or color; democratic control, with one vote per member, regardless of monetary investment per individual; limited interest on capital; savings returned according to patronage; business for cash at prevailing market prices; neutrality in religion and politics; constant education; and continuous expansion. The co-op cites its purposes as "... to provide a democratic social organization for men and women, and lower cost housing for women."



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