Dorms To Hold Dance, Party December 15

Tickets To Be Sold From 11-2 In Bldg. 10; V-12 To Get Liberty

Tickets for the coming Dorm dance and Christmas Party will be on sale Wednesday, November 22, in the lobby of Building 10. The tickets, priced at $4.80, tax included, will be on sale from 11:00 A.M. to 8:00 P.M. Dormitory residents may obtain their tickets in the dormitories on the preceding Monday and Tuesday evenings.

It has also been announced that all Navy students who wish to attend will be given special liberty for the night of the dance.

The name of the band which will play for the dance has not yet been disclosed, but it will be published in next week's issue of The Tech.

Special attractions of the dance will be the Christmas decorations, silver lighting, and the name of the lounge bar which will be on sale Wednesday, November 22, in the lobby of Building 10. The polls in the lobby of Building 10 will be open from 8:30 A.M. to 5:20 P.M. The election was made necessary because the former president and vice-president, who were elected to office last October in the regular class elections, have both left the Institute.

The election will be conducted by the preferential ballot system. There will be no candidates on the ballot for the vice-presidency, since the man who receives the second largest number of votes in the balloting will automatically get that office.

Dr. Rabi, Member of Research Staff, Wins Nobel Prize In Nuclear Physics

Dr. Isador I. Rabi, a member of the staff of the radiation laboratory at the Institute, has been awarded the Nobel Prize for his outstanding work on the nucleus of the atom. A large cash award comes with the prize.

Although he has not received the exact details of the award, Dr. Rabi knows that it was made for the progress he has made in advancing the knowledge of the nucleus of the atom. He has devoted his life to this type of research since 1931 and feels that an understanding of the forces of the nucleus may revolutionize our lives as completely as has electricity. Dr. Rabi declared that there was no background of science in his family.

Was On Columbia Faculty

Before entering the radiation laboratory, Dr. Rabi was a member of the faculty of Columbia University, doing teaching and research work. He came to the Institute with many other top-ranking scientists. After the war is over, Dr. Rabi plans to return to his work on nuclear forces.

One of the achievements for which he was awarded the Nobel Prize is the invention of new methods for studying the nucleus of the atom; these methods are a million times as sensitive as those previously available. These methods make use of radio waves, and can be used to measure the motion, magnetic strength, and the shape and size of the nucleus. The results of experiments making use of them have been used to draw important conclusions as to the nature of the nuclear forces.

New Forces Are Still Mystery

The nature of these forces is one of the problems which has a great attraction for scientists today. These forces are very large but are quite different from electrical and magnetic forces in that they are much stronger and have a shorter range. The exact nature of these forces is still a mystery, however.

Dr. Rabi graduated from Cornell in 1919, engaged in graduate work there, and received his Ph. D. from Columbia.

Dormitory Comm. Officers Elected On November 13

Elections of officers and committee heads were held last Monday at the regular meeting of the Dormitory Committee in the basement of Ward Dormitory. Samuel Gusman, 2-46, a newcomer to the committee, is now treasurer and T. Nicolas Berlage, Jr., 6-45, was re-elected to the Secretarial post. Committee chairmen are as follows: Athletic, John J. Vozella, 6-45; Information, Theodore R. Blakeslee II, 10-44; Burton Room, Robert L. Bryant 6-45; Tea, C. Homer Elliot, Jr., 6-45; Dinner, John S. Standish, 6-45; Freshman, Boni P. Martinez, 2-46.

BROAD NEW RESEARCH PROGRAM IS OUTLINED; NEW LIBRARY PLANNED

Broad plans for the development of special research laboratories, for the expansion of Institute housing, recreational and library facilities, and for the handling of increased post-war registration were outlined by President Kari T. Compton in his annual report to the Corporation.

Dr. Compton emphasized the immediate development of laboratories for intensive study in electronics and new methods of propulsion, including gas turbines and jet engines. Establishment of a division of food technology was also proposed.

In announcing plans for a far-reaching expansion of Technology facilities, Dr. Compton stressed the need for additional student housing facilities. Included in the plans are dormitory units, a second Student House, and living facilities for women students. Dr. Compton also recommended the construction of a new library.

Pres. Compton Discloses Institute's Extensive Plans For Postwar Development

New Senior President To Be Elected Tuesday

The special elections for the president and vice-president for the senior class are to be held next Tuesday, November 21. The polls in the lobby of Building 10 will be open from 8:30 A.M. to 5:20 P.M. The election was made necessary because the former president and vice-president, who were elected to office last October in the regular class elections, have both left the Institute.

The election will be conducted by the preferential ballot system. There will be no candidates on the ballot for the vice-presidency, since the man who receives the second largest number of votes in the balloting will automatically get that office.

Official Notice

Spring Term applications for undergraduate scholarship and/or loan aid by members of the Class of 2-47 must be filed not later than December 2. Application blanks are available at the Office of the Dean of Students, Room 3-108.

Inst. Comm. Meeting To Be Held Next Wed.

The meeting of the Institute Committee scheduled for next Thursday has been changed to 5:00 P.M. Wednesday, November 22, because of the Thanksgiving Day holiday. It will be held, as usual, in the Litchfield Lounge.