Dr. Perrine Gives Electronics Talk

Prospective Engineers Hear Telephone Executive

Dr. James O. Perrine, editor of the Bell System Technical Journal and assistant vice president of American Telephone and Telegraph, explained the details of modern electronic telephone equipment to a group of prospective electrical engineers at a talk last Wednesday night in Huntington Hall.

He said that the main emphasis in communications through the years has been to increase the frequency in the cycles so that more words could be transmitted per minute in the cables. Efficiency in communication, the ratio of output to input, is unimportant as long as the information gets across above the submarine level.

The loss of power in a cable from New York to San Francisco in 1915, according to Dr. Perrine, was about 40,000 volts, while today we lose that much in about five miles.

Spotlight (Continued from Page 2)

took over the vice-presidency. Last winter he was elected President. Gil was one of the original group of V-12ers at the Institute, and he's been very active in Navy affairs ever since he moved into the Graduate House. He was secretary of the important Welfare Committee, which sponsored the V-12 Ball, for three terms, and he also started the Navy band and a dance orchestra.

Is Course X Man

A senior in Chemical Engineering, Gil is at present engaged in writing a thesis on powdered coal. He has become very adept at grinding up small bits of coal, and estimates that he has the most of it after he started his thesis than when he was first in business. As an example, a typical situation was enacted by three assistants, who first demonstrated the treatment which an inexperienced person would probably show. Professor Magoun then contrasted the correct method, and proceeded in firing the unnecessary employee, and disciplining the troublesome one.

All-Tech Smoker (Continued from Page 1)

of War, as guest speaker.

Traditional Ceremony

It is at the smoker that the freshmen will be officially inducted into the Technology Undergraduate Association. This traditional ceremony has long been a part of the All-Tech Smoker program.

Plans for ticket distribution to freshmen are not quite ready, but it is expected that an announcement telling where freshmen may pick up their tickets will be made in the near future.

Musical Clubs Outline Schedule

Over fifty freshmen came out to the first rehearsal of the Glee Club to give the group its largest membership for over a year. The club is now in the process of learning a complete new group of numbers with "Bons of M.T.T." and "Take Me Back to Tech" as specialties. Concerts are planned with Radcliffe, Pembroke and other schools near Boston, and there are also plans under way for a free concert in the Great Court.

New to the musical clubs this term is the thirteen man dance band. The band already has orchestations of most of the good new pieces, and about all of the good old timers.

Chinese Officers Start Study Here

Twenty-four Chinese Naval officers, members of graduate school, the United States Naval Academy by special arrangements between the United States and the Chinese Governments, have been assigned to the Institute for special technical courses similar to those given United States Naval officers. The training period will last approximately ten years.

The Chinese officers arrived here from Swarthmore College, where they were undergoing an eight-month preparatory course. They have been assigned special billets in the Senior House.

Softball Tourney

the ball to all fields in the second contest.

Five games are to be played on this coming weekend, and the bennet will be brought into next round. Phi Sigma Kappa play the Student House, Theta against Sigma Nu, and Phi Kappa Sigma versus Phi Mu Delta. Postponed games rescheduled are in the other games that have been rescheduled, the 5:15 Club and Lenox Club will meet, and the Gamma Delta outfit will take on Theta Delta Chi.

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