

DR. MOSS SPEAKS AT "AERO NIGHT"

See Military Value of Air-
plane Supercharger---
Show Movies

MEETING IS WELL ATTENDED

The statement that "the ordinary pursuit plane is helpless before a supercharged plane and . . . that hence all airplanes in war will have to carry superchargers," may be taken as an index of the importance that may be attached to the development of the supercharger, which was described by its inventor, Dr. S. A. Moss '90, before an open meeting of the A. E. Society last night.

The purpose of the supercharger is to permit the airplane engine to run under conditions that are prevalent at sea-level. This is accomplished by compressing the air fed to the carburetor. The supercharger is operated by the gases exhausted from the motor. The supercharger increases the ceiling of a plane and likewise its speed and manoeuvrability at high altitudes.

Dr. Moss explained the construction of the supercharger, illustrating his lecture with lantern slides and moving pictures. Pictures of the record-breaking flights by Schroeder and by Macready, the latter reaching the altitude of 40,800 feet, were shown.

Tells of National Guard Unit

Captain Willis, speaking in place of Major Knowles, outlined the difficulties encountered in organizing the 101 Aero Squadron as a unit of the Massachusetts National Guard. He also enumerated the principle articles of equipment.

The purpose of the squadron is to encourage flying in America. Since facilities for training pilots are not at hand only experienced aeronauts will be eligible for flying. Physical and mental examinations for those wishing to qualify will be given at the State House. Captain Willis expressed the hope for close cooperation of the Aeronautical Engineering Society with the Aero Unit.

Show Army Pictures

About 300 in all attended the meeting. This was the first open meeting held by the society and likewise terminates its activity for this term.

Moving pictures showing the use of a flotation gear by which a land plane is enabled to land on the water, of the reversible pitch propeller which adds to the speed at various altitudes and makes landing in small areas possible, and of the leak proof tank, were explained by Captain Wright.

J. W. ROLLINS '78 SPEAKS AT CIVILS' SMOKER NEXT MONTH

A smoker is to be held by the Civil Engineering Society on Thursday evening, December 8, in north hall of Walker. The speaker of the evening will be J. W. Rollins '78, who will speak on "Foundations."

Mr. J. W. Rollins '78, is the consulting engineer of the Holbrook, Cabot and Rollins Corporation, of Boston. His talk will be accompanied by illustrations. There will be refreshments and smokes. The smoker will be enlivened by some jazz music. The smoker will be in charge of Ted Wray '22.

NOMINATE MEMBERS FOR JUNIOR PROM COMMITTEE

Election of the members of the Junior Prom Committee will take place December 9. Five members are to be chosen. The list of those eligible for nomination and to vote is on the bulletin board. If any mistakes have been made in it, it is requested that H. J. Horn '22 be notified. His address is 4 Ames street, Cambridge 39, Massachusetts.

Nominations are due in the Information Office Tuesday, December 6. They are to be typewritten and signed by five sponsors and should be written in the following form: "We, the undersigned, members of the Class of 1923, do hereby nominate (name of nominee) for a member of the Junior Prom Committee." At the bottom of the blank: "I hereby accept this nomination, signed by the nominee."

YE SCRIBES DINE



STUDENT FRIENDSHIP DRIVE STARTS MONDAY

Funds Solicited to Aid Students
of Central Europe

H. C. GAYLEY '22, CHAIRMAN

Beginning at Technology Monday, and continuing through the entire week, is the World's Student Christian Federation's drive for the Student Friendship Fund to aid the unfortunate in the colleges and universities of Europe. The campaign is under the supervision of the Institute Committee with H. C. Gayley '22, the chairman in charge.

Last year's college men of twenty-six countries united their gifts to the amount of \$600,000 to help the students and professors of the eleven neediest countries of Central Europe, bringing relief to 120 universities. This year the call for aid is just as great and the World's Student Christian Federation has undertaken the work of soliciting for the Student Friendship Fund, as it is called. The drive will be carried on simultaneously in all the colleges and universities of the United States during the week of December 4.

Committee of Three in Charge

At Technology the committee in charge is composed of H. C. Gayley '22, chairman; Schuyler Hazard, Jr., '23, and W. M. Thomson '22. Gayley was Society Editor of Technique 1922, and on the Editorial Board of THE TECH last year. He has also been active in the other affairs of the Institute. Hazard is vice-president of the Interfraternity Conference on the Electoral Committee Technique '23 and has been a member of the Musical Clubs for three years. Thomson is a member of the Beaver Club and was last year's general manager of the Musical Clubs.

The drive will be conducted by freshmen, who will be at a table in the main lobby from 9 to 5 each day during the week. There will be no further soliciting than the placing of posters about the buildings and the maintenance of a representative in the main lobby to receive contributions. Any men desiring to send checks should address them to "The Student Friendship Fund" and leave them with some member of the committee or assistant.

Gayley spoke in outlining the plans of the committee of the generous response of Technology men to this appeal last year and said that, though no campaign "stunts" would be used in this drive, he hoped all would realize its importance and the need it would alleviate.

FEW JUNIOR DANCE TICKETS REMAIN FOR CLASS MEMBERS

The first of the month has shown an increase in the sale of the tickets for the Junior Dance. The remaining tickets can be obtained by Juniors only, from any member of the committee or from the class officers, and they will also be on sale in the main lobby at 12 and 1 o'clock for the next few days. Supper tickets in the balconies are entirely gone with the exception of 10 couples. After these are gone the north hall will be used to accommodate the men.

Through an error on the part of the committee the name of Mrs. Edward Miller was omitted from the list of matrons published on Monday.

MANY FORMER STAFF MEMBERS AT BANQUET

TECH Board Held Annual
Gathering Last Night At
Hotel Lennox

ALUMNI EXPRESS POLICIES

THE TECH held its banquet last night at the Hotel Lennox. At promptly 7 o'clock the Delt Four started to play "Take Me Back To Tech" and the members of the various staffs present, were seated. The place cards were in the form of the annual RECH. Each man's name appearing in the "box," "Official Notice." The RECH as usual was excellent and it seemed as if those who had donated their time and material to publishing it were fully repaid by the manner in which it was accepted. The dinner progressed rapidly to the noise of the rattles and to the music which was far above the quality that is procurable from a hired orchestra.

THE TECH Alumni Speak

When the coffee had been consumed A. J. Browning '22, General Manager of Volume XLI, chairman for the occasion, introduced the speakers, all of whom were either present or former members of THE TECH organization. The first speaker was Arthur Walker '82, Editor-in-Chief of Volume I; he was followed by I. W. Litchfield '85, who praised the student publication publicity. "Al" Browning then told of the present policies of THE TECH. He was followed by Dean Talbot who gave a very vivid description of the course, "The Education of the Dean." He also pointed out that in order for the men on the staff to succeed in their work at the Institute, they must carry an "even load" rather than putting a great deal of work on an ambitious few. The "Brown Baggers" that have been criticized in the past, Professor Talbot suggested, were not of the "Greasy Grind" type and he thought it a great mistake that they be classed as such. He also suggested that some form of recognition be made for honor scholarship. In summing up, the Dean said that all the men should try to cooperate with his office as much as possible because it was for their good that it existed. Next Browning told how the cooperation of the Alumni made the present TECH possible.

Explains Ownership of THE TECH

Professor A. T. Robinson explained that he felt that an excuse was needed for his presence and the reason was that he, as head of the Alumni Council on Publications, was one of the owners of THE TECH, incidentally one of his few speculations "on the market." He explained very clearly the function of the Council and its direct relation to the growth of Technology.

Professor H. W. Tyler '84, president of Volume III, agreed with Dean Talbot that the "Brown Baggers" were unduly criticized, although he did admire the man with a bit of "get up and get." Discussions of Institute affairs through the columns of THE TECH was another point that Professor Tyler thought would be beneficial to the paper.

Dr. Greeley '87, expressed the opinion that the Institute should recognize the work done for THE TECH by the students, and that some de-

(Continued on Page 3)

CONSIDER PLANS FOR RAISING STUDENT TAX

Will Invite Chinese Lecturer To
Speak At Institute

GIVE A. E. S. REPRESENTATION

A recommendation to increase the Student Tax from \$9 to \$12 next year for all classes and from \$12 to \$15 the following year, was approved late yesterday afternoon at a regular meeting of the Institute Committee. Y. L. Ta of the Chinese Club suggested to the Committee that Dr. Shieh, the noted Chinese lecturer, be invited to speak at a convocation early next term. As a result of the suggestion a committee will be appointed to take care of the matter.

The report of the elections committee containing the results of the freshman and THE TECH elections was approved as was also that of the budget committee detailing the various teams' allowances for the coming season.

Junior Class Is Reinstated

The Junior class was reinstated upon the apology of its representative, D. C. Sayre '23, whose negligence in not attending the meetings had caused the loss of its seat. The Aeronautical Engineering Society was given a seat on the Committee. The petition of the Mechanical Engineering Society for reinstatement was not approved as the excuse of its representative that he had not received notice of the meetings was not considered sufficient cause for absence, especially as he was not present at this meeting to learn the result of his plea.

A report of the All Tech Smoker committee recommending some new features in the program for the smoker was approved. A committee under the chairmanship of D. R. Linsey '22, is taking up the matter of a series of undergraduate pow-wows at which prominent men will address the students and supplement the All Tech Smoker in promoting Technology spirit.

Omit Meeting December 15

The meeting of December 15 will be omitted in accordance with the recommendation of the Executive Committee.

The absentees were D. H. McCreery '22, and G. F. Nesbitt, Jr., '23. C. E. Brokaw '22, T. M. Taylor '23, and R. C. Rundlett '22, were late. C. T. Jackson '22, was seated for A. J. Browning '22, Potter for A. L. Johnson '22, C. A. Brantingham '23, for Hall Kirkham '23 and Hall for J. C. Patty '22.

NON-ATHLETIC ACTIVITIES DRAW MANY PRINCETON MEN

Statistics show that 545 undergraduates, or 26 per cent of the total enrollment of Princeton University, are now actively engaged in some extra-curriculum non-athletic activity. The various musical organizations have 158 performers, 117 men are working for the Theatre Intime, and the publications require the services of 97 men on their boards and 41 candidates. There are 52 Sophomores competing for the various managerships, while 65 other students are working in the Chess Club, Philadelphia Society, Speakers' Association, and Undergraduate Schools Committee.

HEAR RIPLEY OUTLINE R.R. REORGANIZATION

Stockholders Choose Senior
and Junior Directors
at First Smoker

Last night in the north hall of Walker Memorial, Corporation XV, at its first smoker of the year heard Professor William Z. Ripley '90, noted railroad economist, outline the plan for the consolidation and reorganization of the railroads in the United States, that he prepared for the Interstate Commerce Commission.

Directors Elected

The address was preceded by a short business meeting when elections of directors were held. L. B. Leir '22, and S. D. Burroughs '22, were elected Senior Directors and P. P. Pratt was elected Junior Director.

J. S. Kelley '22, who has returned from a trip with the American Unit rebuilding the devastated portion of France, gave a short talk telling of the work of this reconstruction unit, comparing French and American engineering methods.

Tells Difficulties of R. R. Plan

Professor Ripley's plan for the consolidation of the railroads was the one he developed for the Interstate Commerce Commission. It provides in the main that large and prosperous railroad lines be combined with smaller and less fortunate ones in such a manner as to make for the greatest possible efficiency in their operation. Professor Ripley told of the difficulties that he had encountered in working out a plan that would please all the railroads concerned. He said that the plan had aroused quite a little criticism since it had been made public. This reorganization is not government ownership, and efficiency is kept up by providing competition between lines at all important rail centers.

R. H. Brown '22, president of the Corporation, presided at the smoker, and, on behalf of the members, presented Professor Ripley with a share of stock in Corporation XV, making him an honorary stockholder.

A considerable number of men joined the corporation at this meeting.

LUCKY COINCIDENCE OF FIRES SAVES THE SERVICE BUILDING

Due to a lucky coincidence a serious fire loss was averted early Wednesday morning in the service building of the Institute. At about 1 o'clock the Cambridge fire chief, answering a fire call from a Greek restaurant on Massachusetts avenue, and taking a short cut across the campus in the rear of the Institute, noticed smoke coming from the direction of the incinerator.

He thought it worth while to investigate as to why refuse was being burned at that hour, and soon discovered the fire to be located in the paint shop. Due to the presence of the fire department they soon had the fire under control, confining it entirely to the paint shop. The loss will amount to between \$700 and \$800.

Thanks to the prompt attention of the fire department the building suffered no damage other than being coated in the interior with a covering of black smoke from the dense fumes of the burning turpentine. Major Smith, Superintendent of Buildings and Power, thinks the fire was caused by spontaneous combustion, as the shop was in perfect condition when closed for the night at 5 o'clock, Tuesday.

CALENDAR

Friday, December 2
7:30—Rehearsal of Choral Society, room 5-330.
8:00—Trip Concert, main hall, Walker.
Tuesday, December 6
7:00—Ordnance Unit smoker, north hall, Walker.
Thursday, December 8
5:30—Class of 1924 banquet, main hall, Walker.
7:30—C. E. Society smoker, north hall, Walker.
Friday, December 9
8:30—Class of 1923 dance, main hall, Walker.
Saturday, December 10
8:00—Lutheran Club dance, north hall, Walker.
8:00—Dorm dance, main hall, Walker.