

WIND TUNNEL LEASE RENEWED FOR YEAR

Government, Through Division of Aeronautics, Retains Control of Experiment Laboratory Back of Institute

FORMER INSTRUCTORS RETAINED

The wind tunnel, situated in the back of the Institute, has been leased for another year by the War Department through the medium of the Division of Aeronautics. Probably no single agency had greater effect in saving the lives of aviators than this wind tunnel—which by the way is perhaps the only one of its kind in this country. It is the first American step in determining scientifically the actions of an airplane under varying conditions. By experimenting upon a model built to one-twenty-fourth size of the original, the experimenters are able to state with absolute scientific precision just what a plane will do under certain conditions. Thus experiments that would have to be carried out—probably at the cost of human life—can be performed in the wind tunnel with the same scientific result and with no human sacrifice.

The government has as directors of the tunnel G. M. Denlinger '13 and C. D. Hanscom '18, former Institute instructors in the science of aeronautics.

The renewal of the lease manifests the recognition of the important part that Technology has played in the advancement of aeronautical science in this country.

PLAN ENTERTAINMENT

Walker Club Co-operates With Cleofan to Aid Endowment

On Tuesday evening, December 9, the Walker Club and Cleofan are planning to give four short plays and a dance, either in the main hall of the Walker memorial or the gymnasium. Final plans are not ready for publication, although it is expected they will be made public in the near future.

K. S. M. Davidson '20, head of the Walker Club, and Miss D. D. Brownell '20, president of Cleofan, are in charge of the entertainment.

The nature of the plays has not yet been determined, but it is expected they will be short sketches of musical comedy type. After a short intermission, during which refreshments will be served, there will be general dancing. The tickets are two dollars per couple and will be on sale at the Technology Branch and in the main lobby.

As the proceeds of the evening will be devoted to the Endowment Fund, the management expects a large attendance, and is planning to make the affair as large a financial success as possible.

FIFTY-ONE MEN NAMED IN CLASS OF '23 NOMINATIONS
Keen Competition Expected at Election Tomorrow

The nominations for officers for the Class of 1923 closed Saturday at noon. The nomination list contains the names of fifty-one men and spirited

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HARVARD TECH CHEMICAL CLUB WILL REORGANIZE
Next Thursday evening at 8.00 o'clock a meeting of the Harvard Technology Chemical Club is to be held at the American Academy, 28 Newbury street. This will be the first get-together of the club since before the war. All members of the Institute's instructing staff in Chemistry and Chemical Engineering as well as all graduate students in the same courses are invited to attend. Professor H. N. Davis of Harvard University will speak on the subject of helium for balloons.

The club, which serves as a medium for intercourse between the Chemical staffs of the two universities, has been very active in the past and, as the branches of Physical and Organic Chemistry are to be included, a very interesting year is anticipated.

MERMEN WILL MEET

An important meeting of the varsity and freshman swimming squads will be held at 1.00 o'clock Wednesday, December 9. Watch the bulletin board for the place of meeting. Captain is to be elected.

SENIORS DINE IN NORTH HALL OF WALKER TONIGHT

Prominent Men Engaged to Speak—Good Music Promised

The Class of 1920 will hold sway in the North Hall of the Walker tonight when they set precedent in the line of a class dinner. Five prominent men have agreed to speak to the class and this, in addition to the promises of music by the Technology orchestra, a quartet from the Glee Clubs, and selections on the piano by F. D. Gage '21, forecasts an unusual evening.

The program has not been definitely announced but the class president has said that the speakers secured include two Boston business men and three others from different sections of the country. The banquet will begin at 6.15 o'clock. Between 200 and 300 are expected to attend.

R. T. Pender is in charge of the ticket sales. The price for the banquet is one dollar.

WILL EXCHANGE INSTRUCTORS

The Electrical Engineering Department has arranged to exchange instructors with the Ecole Central, one of the foremost technical institutions of France. The arrangement is to send an Institute instructor to France for a year exchanging with an instructor from the French School. Plans for the exchange were practically completed during the visit last week of M. Eugene Schneider of the French Trade Commission, and Professor Fremerville of the Ecole Central, who came to Technology to study the curriculum of Course VI-A, the Institute's co-operative course in Electrical Engineering.

CLASS 1905 HOLDS DINNER

By far the largest and most enthusiastic gathering of the Class 1905 since commencement was held in the faculty dining room Saturday evening when members of that body met to discuss the thing that is foremost in the minds of all Technology graduates, the Endowment Fund Drive. The dinner party was addressed by President MacLaurin and Dr. Walker, the subject of their addresses being in accord with the purpose of the gathering.

Every member of the Class of 1905 whose residence is within a fifty mile radius of Boston had been personally asked to attend and the committee in charge had every reason to feel proud of the results of their efforts. The plan evolved for the helping on of the drive, was a personal solicitation of every member of the class by a committee of his own classmates, this method being considered the most productive of results.

DRENNAN SPEAKS ON AERONAUTICS

"Aeronautics, Past, Present and Future" Will be Subject of Lecture at Aero Club Smoker Tonight

FEATURES AND EATS PROMISED

At the smoker given this evening in Walker Memorial at 8.00 o'clock Lieutenant-Colonel Leonard H. Drennan will address the members of the Aeronautical Engineering Society on the subject, "Aeronautics, Past, Present and Future." Other speakers for the evening include Colonel A. A. Maybach and Lieutenant-Colonel F. M. Green '09.

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BOXERS PLANNING FEATURE SEASON



CANDIDATES FOR THE BOXING TEAM

Back row, left to right—Rosenfield, Weatherall, Broadhead, Skavo, Bradley, Christensen, Curley. Middle row—Smith, Kreeger, E. Smith, Field, Winkfield, Reed. Front Row—Quarles, Roll, Regan (Asst. Coach), Boutelier (Coach), Addicks (Captain), Rogal.

The boxing club, which now boasts a membership of sixty men, held a meeting last Saturday in the gymnasium of Walker Memorial at 1.00 o'clock when extensive plans for the season were outlined. Elections were held and A. D. Addicks '21, who has been in great measure responsible for the success of the club, was elected captain. Competitions for the position of manager will be held shortly and all men wishing to try out for that office are requested to hand

ORCHESTRA MEETS TODAY

There will be a meeting of the M. I. T. Orchestra today in building 30 at 4 o'clock. This rehearsal will replace the usual Wednesday rehearsal.

their names in to Frank Routelier, the instructor, who may be found in the gym almost any day from 10 o'clock till 6.

There is now a wealth of good material out for this activity, one of the most prominent being William Corbett '21 who is featuring in the semi-finals of many of the boxing clubs in and around Boston. The men are under the direct supervision of Frank Routelier, who, several years back, was national amateur champion in both the 145-lb. and 158-lb. classes and who trained and was sparring partner for such prominent fighters as Sam Langford and Jack (Twin) Sullivan. The men are improving rapidly and

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1923 LEADS ALL CLASSES

Freshmen Are \$2,000 Ahead of Juniors---Sophomores and Seniors Follow---Lack of Interest Shown by Class of 1920

UNDERGRADUATE FUND NOW OVER \$16,000

Anxious to overcome the Field Day disaster the Class of 1923 has suddenly jumped from the position of second on the Endowment Fund lists to first place, and has a lead of \$2,000 over the Junior Class. The Juniors now trail the freshmen while the Sophomores and Seniors follow in order. The Class of 1922 is close on the heels of the Juniors while the Seniors are well behind the 1922 figures.

For some days over a hundred pledges daily have been pouring into the Fund office but even at that rate the entire graduate body will not be able to get their subscriptions in by the first of January. Therefore the Endowment Fund Committee advises the students not to wait until they are spoken to, but to submit their pledges at once to room 3-205.

RADIO SOCIETY TO VISIT RESEARCH LABORATORIES

Two Trips to Melrose Will Conclude Activities for Term

Twenty members of the Radio Society will leave at 1.30 o'clock today, from the second floor of building 10, for a trip to the laboratories of the American Radio and Research Corporation at Melrose. Professor Bush of the Electrical Engineering Department, who is a consulting engineer for the corporation, will accompany the party in person. The men will be met at the laboratories by J. A. Proctor '11, who is chief radio engineer of the corporation. He will guide the party, and will explain in detail the methods used in the newest developments of receiving sets, and in the calibration of wave lengths. The American Radio and Research Corporation wishes to call attention to the fact that they are not connected with Tufts College.

To correct the impression which some may have, that the Radio Society is merely for the amusement of a few men interested in wireless, the officers of the society want to make it plain that their prime object is to further interest in electrical research. They have a large equipment which they hope to increase, particularly for research in the line of vacuum tubes and condensers. Although at the present time there seems to be no great demand for radio engineers, it is expected that as developments are furthered in this field, the demand will increase. As a result there is a desire among many of the men interested in wireless to have an option in Radio Engineering in connection with Course VI.

The trips to Melrose on Tuesday and Thursday will probably conclude the activities of the society this term. The first meeting next term will be addressed by Professor Bush.

TEMPERING STEEL CAUSES OIL FIRE IN BUILDING 1

At about four o'clock yesterday the Testing Materials Laboratory on the top floor of building 1 was the scene of a conflagration which necessitated calling the Cambridge Fire Department. The work in progress in the lab. at the time consisted of tempering steel in an oil furnace. The hot metal set the oil on fire with the result that several chemical extinguishers, the fire hose in the hall, and the Fire Department were necessary to control the blaze. Quite dense smoke filled the halls of the building. No permanent damage was done and none and as far as known no one was hurt.

ELECTRICALS MEET FRIDAY

The M. I. T. branch, American Institute of Electrical Engineers will hold its next meeting on Friday evening, December 5, at 7.30 o'clock. The place has not yet been decided, but will be announced on the bulletin boards. The meeting will be addressed by Mr. B. A. Behrend, a past vice-president of the A. I. E. E. and one of the country's foremost consulting electrical engineers. He will talk on "The Economic Development of the Electrical Industry."

* Announcement was also made that those who have not as yet received their red buttons can get them if they call at room 3-205 and present their pledges or their letter from the Endowment Fund Committee acknowledging their subscriptions. The demand for these buttons has been so great during the past few days that it has by far exceeded the supply. This condition will be taken care of by the Committee and will be avoided in the future.

A meeting of the Class Committee Chairmen will be held on Thursday, December 4 at the University Club, 270 Beacon street, Boston.

On next Saturday a preliminary list of all donors to the Endowment Fund will be published. This list will contain the names of all subscribers, undergraduates included. No amounts will be stated, the pledge of the donor being sufficient to have his name on the list. All pledge cards must be

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ARRANGES SMOKER

Chemical Society to Hear of "Scientific Swindles"

The last Chemical Society smoker of the term will be held in North Hall of the Walker Memorial on Wednesday evening, December 3, at 8 o'clock. The speaker of the evening will be Mr. Norman Marshall of the Elastoid Fiber Co. of Waltham who will address the society on "Scientific Swindles." It is felt certain that this will be one of the most interesting lectures of the term, for Mr. Marshall is in constant touch with commercial products, and knows how and when a scientific swindle is passed off on the public. There will be refreshments and smokes in abundance.

The elections of the Chemical Society will be held on Friday, December 5. Competition for elections has been very keen and the outcome is looked forward to with a great deal of interest.

CALENDAR

- Tuesday, December 2**
1.15—Radio Society trip to Tufts Laboratory.
4.00—Orchestra rehearsal in Building 30.
6.00—Senior Class dinner in North Hall of Walker.
8.00—Aeronautical Engineering Society smoker in East Lounge of Walker.
- Wednesday, December 3**
1.15—Civil Engineering Society trip to the Berger Instrument Co.
7.30—Freshman Military Science movies in Main Hall of Walker.
8.00—Chemical Society smoker in North Hall of Walker.
- Thursday, December 4**
1.15—Radio Society trip to Tufts Laboratory.
7.30—Freshman Military Science Movies in Main Hall of Walker.
8.00—Rifle Club smoker in North Hall of Walker.