

## WINTER CONCERT WILL BE HELD THIS EVENING

Combined Musical Clubs to  
Give Annual Entertainment  
and Dance at the Hotel Som-  
erset.

### TO BE SEVERAL SURPRISES.

Tonight at 8 o'clock the Annual Winter Concert given by the combined Musical Clubs of Technology will take place in the ball room of the Somerset Hotel. The Winter Concert is one of the few large social affairs that occur at the Institute and no doubt this year's concert will be the last that many Technology men will have an opportunity to attend for some time on account of the present war conditions. The clubs have given many successful lesser concerts in preparation for this one.

The program has been prepared with much care and promises to please everyone. There will be several features in addition to the regular musical program. The management has not divulged much information as to these, but it is said that C. Parsons has been to New York to obtain some new music for rendition this evening.

After the concert the audience will have the opportunity of dancing until 2 A. M. Loew's orchestra, which proved so popular last year, will furnish the music. The dancing will be enhanced by the introduction of several novelties into the program. The letter system used last year to expedite the finding of partners will be used again.

Tickets and final dance orders may be obtained at the office of the Musical Clubs on the second floor of the Activities Building on Massachusetts Avenue and in the Main Lobby until 5 o'clock this afternoon. They will also be obtainable at the Somerset Hotel before the concert. Reservations will not be held after 8.10. Since twenty cents on each ticket must be paid to the Government as War Tax, it will be necessary to charge extra for refreshments.

### Program.

1. "Take Me Back to Tech," Glee and Instrumental; 2. "Hang-Over Blues," Mandolin Club; 3. "Swing Along," Glee Club Quartet; 4. "Bostonian March," Banjo Club; 5. "The Two Grenadiers," Glee Club; 6. "Harrington and Coldwell;" 7. "Selection," Mandolin Club Quartet; 8. "Charlie Parsons;" 9. "Bull Frog Blues," Mandolin Club; 10. "Xylophone Solo," C. T. Proctor; 11. "To the Field," Glee Club; 12. Cardinal and the Gray," Combined Clubs.

## ELECTRICALS WILL TAKE SECOND TRIP TO G. E. WORKS

The members of the Electrical Engineering Society will make a second trip to the General Electric Works at Lynn this afternoon. The party will leave on Track 4, North Station, at 1.30 o'clock. Those desiring to make the trip will leave the amount of the fare at the society office, room 10-275.

Last Monday afternoon twenty members of the society made the trip to the Lynn plant to investigate the testing and construction in the different departments. The first building visited was the motor department. Here most of the work is done by women under the supervision of a few men, but in the other departments the work is of such a difficult nature that only men can perform it. As a result of this the plant is very short-handed. The women do the meter reading, armature winding and speed testing, but all power work, connecting and repairs are done by men. In this building the castings, armatures, commutators and other motor parts are constructed and assembled.

Other divisions of the plant which were visited were the castings, turbine, transformer and arc light departments.

The next meeting of the society will be some time the coming week when the members will be addressed by prominent men in electrical circles. Either Monday or Friday the officers and members of the executive committee will have pictures taken.

## Two Units of the Reserve Officers' Training Corps at the Institute Officially Recognized

The following bulletin from Washington officially recognizing the Reserve Officers' Training Corps at the Institute, was received at the Military Department last night:

By direction of the President and pursuant to the authority invested in him by the provisions of Section 41 of the Act of Congress approved June 3, 1916, and in response to the application of the Massachusetts Institute of Technology, Cambridge, Massachusetts, the authorities of which have agreed to establish and maintain a two years' compulsory course of military training as a minimum for its physically fit male students, which course when entered upon by any students shall, as regards each student, be a prerequisite for graduation, to allot a minimum of an average of three hours per week per academic year to military training and instruction during the first two academic years and to arrange for five hours per week during the remainder of such student's course, and to use their endeavors to promote and further the objects for which the training corps is organized, there is hereby established in said Massachusetts Institute of Technology, Cambridge, Massachusetts,—

One Coast Artillery unit,  
One Signal Corps unit,  
of the Senior Division, Reserve Officers' Training Corps. (A. G. 211.33  
Mass. Institute of Technology, Cambridge, Mass.)

By order of the Secretary of War:

TASKER H. BLISS,  
Major General, Chief of Staff.

Official:

H. P. McCain, The Adjutant General.

## MUSEUM OF FINE ARTS

Professor Henry L. Seaver of the Department of English will speak Sunday afternoon, December 16, at the Museum of Fine Arts on "A Royal Engraver." The lecture will take place at 3.30 o'clock in the Department of Prints and is free to all.

## INST. COM. DANCE

Will Be Held in Walker Next  
Saturday Evening

Arrangements have been completed for the second informal dance to be held in the Walker Memorial next Saturday evening under the auspices of the Activities Committee. This is the last of these dances before the mid-year vacation, but plans are being laid for future affairs of a similar type throughout the next term. All students at Technology, and the men studying at the Army and Navy Schools of Aviation at the Institute are also invited.

The dormitory dance of a few weeks ago met with such success that a large number is expected next Saturday night even though the dance comes so soon after the mid-winter concert. Owing to the fact that even the large room in the Memorial Building might be overcrowded if no restriction were placed upon the attendance, the tickets on sale are limited and at the present rate will soon be exhausted. The price of admission is seventy-five cents for couples or stairs. This charge covers recently imposed war tax. The tickets are on sale at the Bursar's Office, the Caf, Walker Memorial and the Co-operative Society.

The music will be supplied by the six-piece Oxley Orchestra. This is the orchestra which played at the all-Tech-nology Smoker last Saturday and all who heard it, then, can give evidence that the music will be in no way lacking. Wives of a number of the members of the Faculty will act as chaperones.

Rumor has been spread around that there was to be no dance next Saturday evening, but the Activities Committee, which is in charge of the affair, wish to announce that this rumor is untrue. There was, however, some delay in getting out the tickets but they are now on sale at the places mentioned.

## SOPHOMORE CLASS TO ELECT OFFICERS TO FILL VACANCIES

Nominations for officers of Treasurer and Institute Committee for the Class of 1920 will be received at the information office until 1 o'clock Saturday, December 15. It is necessary that there be at least three candidates for each office. The elections will take place on Tuesday, December 18.

## Y. M. C. A. PLEDGES.

All Y. M. C. A. pledges are due Saturday, December 15. They may be paid at the office of the Bursar, the T. C. A. or sent direct to Mr. F. R. Kneeland.

## TO DISCUSS FUTURE PLANS AT ORCHESTRA MEETING

There will be an important meeting of the orchestra today at 5.00 o'clock in the "Caf" to discuss the work of that activity during the coming season. Due to the new curriculum the leader and manager believe that work may have to be suspended at least until after the mid-year exams. When the Tech Show begins actual work, the orchestra may be reorganized in accordance with that activity, under the name of the Tech Show Orchestra.

## FRESHMAN HOCKEY TEAM TO REPRESENT INSTITUTE

Several Games Have Already Been  
Arranged With Other Colleges.

The Institute Advisory Committee has definitely decided that there is to be a freshman hockey team this season, on the condition that it be supported entirely by that class. A meeting of the freshman was scheduled to be held last week, but as it was postponed, no arrangements have been made concerning the raising of the one hundred and fifty dollars necessary to carry the team through.

The manager has arranged a series of games with other college teams, and also entered a league composed of teams from Boston University, Tufts, Boston College and Technology. The games will be held in the Arena at Boston. Each team will play two games with each of the others in the league to decide the championship, and the Arena has offered a cup to the victor.

Practice will be held at the Arena either the end of this week or the beginning of next.

## FRESHMEN MUST GET PERMISSION TO QUIT GYM

Several freshmen have gotten into difficulties this fall by substituting some form of athletics as wrestling, etc. for gymnasium work, without first consulting Coach Kanaly or the Dean. Coach Kanaly wishes it to be positively understood that a man must report to either himself or the Dean before making any such substitution.

## AERO CLUB TO HOLD MEETING TOMORROW

Professor Haven Will Speak on "Air-  
plane Fabrics"

Professor George B. Haven of the Mechanical Engineering Department will speak to the members and guests of the Aero Club on "Airplane Fabrics" Friday evening at 8.00 o'clock in room 4-230.

Professor Haven, who is a member of the American Society for Testing Materials and an authority on these matters, has a good selection of slides with which he will illustrate his lecture. The different methods of testing and weaving airplane fabric will be described and there will also be an explanation of some of the methods used to prepare the fabrics, which is technically known as "doping."

The club will hold a business meeting at 7.45 o'clock in the same room.

## TECHNICAL STUDENTS TO BE PRACTICALLY EXEMPT FROM DRAFT

According to New Ruling Men Subject to Draft Who  
Are Enrolled in Engineering Institutions Will  
Be Allowed to Complete Courses

### WILL BE PLACED IN FIFTH CLASS

ACCORDING to a recent ruling, made by provost Marshal Crowder and approved by Secretary of War Baker, which has been added to the Selective Service Regulations, practically all students of the Institute and of other technical schools will be exempt from the draft until they have completed their courses. The ruling is as follows:

"Under such regulations as the Chief of Engineers may prescribe a proportion of the students pursuing an engineering course in one of the approved technical engineering schools listed in the war department, as named by the school faculty, may enlist in the Enlisted Reserve Corps of the Engineer Department and thereafter upon presentation by the registrant to his local board of a certificate of enlistment, such certificate shall be filed with the questionnaire and the registrant shall be placed in Class V on the ground that he is in the military service of the United States."

## SCHOOL FOR INSPECTORS

Second Group Starts With An  
Enrollment of Fifty-Four Men

The second group in the school for Navy Aeronautical Inspectors was started yesterday with an attendance of fifty-four men. This is the fifth type of school which has been organized by the Institute for the U. S. Government. The schools include those for the army and navy aviators, the courses for deck officers, the work for marine engine-room officers, and the instruction for inspectors. The work of this last type of school is based on the needs of the naval aviators for inspectors to look after the quality of the work in the manufacture of aeroplanes for naval use.

Some twenty-eight or nine squadrons have been registered in the U. S. School of Military Aeronautics, and of this number about twenty have finished their courses. The men are now at some one of the flying schools putting into application the principles which they learned at the Institute. There are about twenty-five men in each squadron, so that number of men graduated from Institute work is not far from five hundred.

In the U. S. Naval Aviation Detachment about a dozen "flights" have been registered at the Institute. Four or five of these have finished the special work and have gone to Navy flying schools for the practice that they afford. The school was established a few months later than the army one, and while it has a maximum number of students ranging from 250 to 300, it has only sent out a small number of flights which account for 100 to 150 men.

The schools for Deck Officers were suggested by Henry Howard and have been put into operation by Dean Burton of Technology for Mr. Howard and the U. S. Shipping Board. These schools are in operation all over the country, and the sixth or seventh one is now under way at the Institute. The total number of deck officers now ready is between a thousand and fifteen hundred, and many of these are already in charge of ships.

(Continued on page 4)

## THE TECH STAFF PHOTO TO BE TAKEN SATURDAY

All men in each department of the Tech are to report at Notman's Studio, 3 Park street, at 1.30 o'clock this Saturday, in order that group photographs may be taken. The men must be present promptly at the time indicated, as the photographer is so rushed with other work that he cannot postpone the sittings. The men are to report in uniform.

The regulations of the Chief of Engineers limit this privilege to those students to whom the school issues a certificate, properly attested by the president of the school, stating that he is a regular student in good standing, as a candidate for an engineering degree, and that in the judgment of the faculty of the school, based upon his academic record supplemented by his relations with fellow students and by observation of his instructors, he may fairly be regarded as deserving a place in the first third qualitatively of the young men graduating from the institution during the past ten years.

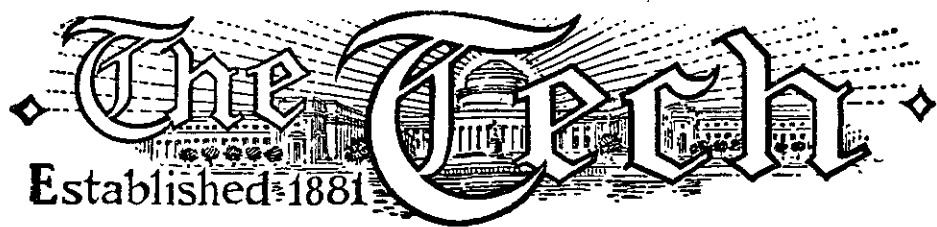
This means that the students of the Institute, by enlisting in the corps, will be permitted to continue their studies indefinitely, unless the emergency for men reaches bounds not expected by the War Department. The students are viewed as military assets of the future and enjoy preferred classification, as do medical students in certain cases, so that they may complete their courses. Upon graduation they revert automatically to their former classification and may be called out immediately as enlisted men of the engineer reserve. Al-enlisted men, yet the fact that they have completed their courses is taken into consideration, and accordingly their chances for a commission are much greater than would be otherwise.

The problem of engineering students in the draft was presented to the War Department by M. S. Ketchum of Boulder, Col., President of the Society for the Promotion of Engineering. He filed with the Secretary of War copies of resolutions adopted by various engineering societies, notably the Student Section of the A. S. M. E., urging special consideration for engineering students because of the value of such men, when trained, to the military establishment. At the meeting of the A. S. M. E. recently held in New York, it was decided to recommend to the Department that some amendment be made to the selective service regulations, by which 6000 students of 117 technical schools might be entirely exempted. The direct outcome of this recommendation was the recent ruling.

(Continued on page 4)

## SEVEN--THE TECH CALENDAR.

Thursday, December 13, 1917  
1.30 P. M.—Student Branch A. I. E. E. meets at Track 4, North  
5.00 P. M.—Orchestra Meeting in "Caf."  
8.00 P. M.—Winter Concert, Hotel Somerset.  
Friday, December 14, 1917  
7.45 P. M.—Aero Club Meeting, Room 4-230.  
8.00 P. M.—Chemical Society Meeting.  
Saturday, December 15, 1917  
1.30 P. M.—Meeting of Tech Staff at Notman's.  
Sunday, December 16, 1917  
3.30 P. M.—Lecture by Professor Seaver, Museum of Fine Arts.



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Although communications may be published unsigned if so requested, the name of the writer must in every case be submitted to the editor. The Tech assumes no responsibility, however, for the facts as stated nor for the opinions expressed.

The Editor-in-Chief is always responsible for the opinions expressed in the editorial columns, and the Managing Editor for the matter which appears in the news columns.

IN CHARGE THIS ISSUE

- K. Roman '20.....Assistant Night Editor

THURSDAY, DECEMBER 13, 1917

MILITARY STATUS RECOGNIZED

TWO extremely favorable rulings made by the War Department within the last few days have placed men at the Institute in an absolutely definite position relative to military preparation and the draft. In the first place, the uncertainty concerning proper grounds for exemption which may be claimed by a man while he is completing his engineering course has been entirely cleared up.

WINTER CONCERT.

TONIGHT the annual Winter Concert will be given by the Musical Clubs. At this time when there is an inevitable spirit of unrest due to abnormal conditions under which we are living, the influence that may be exerted by a well-planned social function may do much to alleviate the feeling of uncertainty bred of the present military situation.

The Tech regrets the necessity of announcing the resignation of George B. Hutchings, '18, from the position of General Manager. Hutchings was one of the few men who sacrificed a large part of his time during the Summer months in order to insure the success of the publication which was at that time made the official Alumni organ.

TECHNOLOGY MEN IN PARIS TO HOLD MONTHLY DINNERS

Talks to be Given by Experts on Various Phases of the War.

The latest bulletin, which has been received from the Technology Bureau of the American University Union in Paris, contains an announcement of dinners to be given for Technology men and their friends the first Saturday of each month.

A New Year's feast for Technology men and their friends is being provided. With characteristic energy C. H. Mower, the chairman, has provided a year's program in advance, and at each monthly dinner an illustrated talk or address in English will be given by some noted authority, American, French or British, on the subject of which he is an expert.

The following list of subjects has been arranged, one to be given each month: airplanes, naval and military; artillery, heavy and light; automobiles, tractors, trucks, engineers, trench construction, mines, searchlights, gas and liquid fire, machine guns, rifles, hand grenades, medical and sanitary hospitals, ambulances, etc. political aspects of the war, quartermaster's department and ordinance; salvage of the war; sea transportation; submarines, destroyers, tanks.

The talks will be limited to one half hour and will be illustrated with lantern slides whenever possible. The price of the dinner including wines, coffee, cigars, cigarettes and tips will be ten francs. The dinners will be held the first Saturday of each month at 7.30 o'clock at the Club House, 8 Rue de Richelieu, Paris.

TECHNIQUE SIGN-UPS COMING IN SLOWLY

Payments Made on Only Six Hundred Out of One Thousand Books

For the past few days there has been a slump in the Technique 1919 sign-up campaign, and up to the present time the subscriptions have not reached six hundred. Unless the limit of one thousand copies is reached before the end of next week, the campaign will close at that time and no more orders will be taken.

The critical point of the campaign has been reached, and the success of the year book depends largely on the progress of the campaign from now on. The Technique Board figures that each new subscription sold before December 22 will add a half page to the volume.

Some explanation is probably necessary for the action of Technique 1919 in limiting its edition to one thousand volumes. The Board found that by putting a limit on the number of copies a more advantageous contract could be made, and the low price of previous years maintained in spite of the tremendously increased cost of printing.

JANUARY TECH MONTHLY TO BE MILITARY ISSUE

The next issue of the Tech Monthly will be devoted to the military activities at the Institute. Each form of military life will be covered and the staff has been divided into departments for this purpose.

The magazine has been criticised lately for being too technical, and to remedy this, the paper desires that the undergraduates write articles for the publication. These articles should preferably be upon some phase of Institute life and may be written in a humorous vein. A few good cartoonists are also needed to draw headings. The Monthly will be glad to criticize any work that is submitted.

CLOSE CONTESTS FEATURE IN BOWLING TOURNAMENT

Matches are now being held in the Dormitory Bowling League every Thursday and Wednesday evening on the Walker Memorial alleys. Some good bowlers are developing, and it is expected that the contest for the team and individual trophies will be exceptionally close.

Table with columns: Team, Won, Lost, P.C. Rows include Atwood, Holman, Runkle, and McGuire.

The league averages to date are as follows (Tuesday's matches are not included):

Table with columns: Team, Won, Lost, P.C. Rows include Runkle, Holman, Atwood, Nichols, McGuire, Starr, Conniers, Barron, Dowlin, Malley.

The highest individual averages are as follows:

- McGuire, 98.7. Starr, 89.7. Conniers, 89.0. Barron, 86.7. Dowlin, 86.0. Malley, 86.0.

The highest individual score is that of 112 made by McGuire. The highest team average is 416.3, made by Atwood 3.

Won't Stand Repetition. Never repeat a poor excuse. It may be better than none the first time, but the second time it is much worse than none.—Life.

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**MEMBER OF BRITISH MISSION TO SPEAK BEFORE CHEM. SOCIETY**

The members of the Chemical Society are invited to meet with the Northeastern Section of the American Chemical Society, Friday, December 14, at 8 o'clock. Mayor Auld of the British Mission to the United States will speak upon the various applications of gases at the front.

The meetings will be held in Huntington Hall in Rogers' Building instead of at the Engineers' Club.

**MUSINGS OF FROSH**

I took \_\_\_\_\_  
A low-brow friend \_\_\_\_\_  
To a show \_\_\_\_\_  
Last night \_\_\_\_\_  
And we sat \_\_\_\_\_  
On the front row \_\_\_\_\_  
And during \_\_\_\_\_  
The intermission \_\_\_\_\_  
The orchestra played \_\_\_\_\_  
The Little Brown Jug \_\_\_\_\_  
And the low brow \_\_\_\_\_  
Thought it \_\_\_\_\_  
Was a national anthem \_\_\_\_\_  
And stood up \_\_\_\_\_  
And so did I \_\_\_\_\_  
And everybody \_\_\_\_\_  
Laughed \_\_\_\_\_  
Darn it. \_\_\_\_\_  
—Daily Texan.

**LECTURE ON MACHINE-GUNS TO BE GIVEN ADVANCE BATTALION**

A lecture on machine-guns will be given to Companies A and B of the Advance Battalion today, and to Companies C and D on Wednesday, December 19.

Tomorrow members of the Battalion will take an examination on Infantry Drill Regulations and on Lieutenant Morize's lectures.

For all of these events the Battalion will fall in on the Athletic Field as usual.

Yesterday afternoon N. F. Patten, '21 gave a lecture on signalling to Companies A, C and D. He described briefly the uses of Wigwag, Blinker, Ardois, Semaphore, and Buzzer signalling, and gave a more extended discussion of Radio signalling, speaking of the codes in use, and describing certain parts of the wireless apparatus.

**HARD PRACTICE PLANNED FOR TRACK CANDIDATES**

Last Monday the winter track season opened in earnest. The board track has been put up at the north end of the track house and all men must practice at least four times a week and more if possible. Hard practice is the program from now on, in order that the men may go into condition for the winter meets.

The B. A. meet will be held as usual some time in the early part of February. Tentative arrangements have been made for a freshman meet with Lowell High School on February 23. This year freshmen will be eligible for varsity meets and this means that the team will be strengthened considerably.

**Maneuvering of Wings.**

Riches make to themselves wings and fly away. So sometimes does love. So sometimes does wisdom. How would it do to take all possible precaution by clipping the wings?—Exchange.

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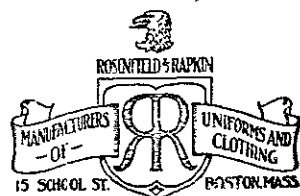
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## NEW DRAFT REGULATION

(Continued from page 1)

which instead of granting outright exemption, granted exemption with certain conditions.

To A. Saunders, '18, chairman of the Student Section of the A. S. M. E., located here at the Institute, and who acted as the representative of this organization at the New York meeting, much credit is due for the passage of the amendment. The representatives of the different societies of the Student Section held their meeting in the Engineer's Building. Each representative was called upon to make a report of the military condition in his respective school and the effect upon the students, and to make any suggestions which he considered might aid the students in their relation to war service. It so happened that Saunders was among the first called upon, so he made the suggestion that a committee be established to advise and give the War Department all data in regard to students of engineering schools, and that a recommendation be made to the Department immediately so that students might be permitted to complete their courses.

Stenographic reports of all the recommendations made were placed before the A. S. M. E. meeting for action to be taken, and those which were considered as well taken were incorporated in the recommendations of the A. S. M. E. to the War Department. The Society said that they would keep the students of the Institute well posted on all proceedings and would keep in touch with the military conditions prevailing here, as well as in all other technical schools.

## SCHOOL FOR INSPECTORS

(Continued from page 1)

The schools for marine engineers, also the suggestion of Mr. Howard, are under the direction of Professor E. F. Miller of Technology. They are quite complicated and involve two or three successive sections of students at each one of the seven or eight ports in which the men are being trained. These schools have proved to be so successful that the general plan is now being taken up by the Industrial Department of the Emergency Fleet Corporation. Professor Doten of Technology is one of the chief experts in the management of this plan. These schools will be so-called Shipbuilding Plattsburgs and will give special instruction to shipbuilders.

The schools for the inspectors of the Naval Aviation Detachment were begun by Professor Peabody at Technology about four weeks ago, and fourteen men were enrolled in the first one. The second school, which opened yesterday, has a registration of fifty-four. It is expected that a succession of such schools will be carried on in Cambridge until a considerable number of men have learned the factors necessary to make them competent inspectors. Their courses, which are intensive, include such items as metallurgy and metallography, testing of the strength of materials, methods of delicate measurements, stresses, rigging, together with work on motors and aeroplanes. In the quick organization of this school Technology has achieved another important item in its long list of services rendered to the government.

REPORTS ON SUMMER READING  
MUST BE MADE AT ONCE

Students who wish to obtain credit for Summer Reading in the mid-year reports should call at Professor A. T. Robinson's office, room 2-279, as soon as possible, as the grades are sent in early in January. Professor Robinson will be in his office for the purpose of receiving reports, from 1.00 to 1.30 o'clock every day before the Christmas vacation. A written paper is required after the conference.

## TUTORING

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The Tech wishes to print the names of Technology men in War Service, whether in a military or industrial capacity, together with the branch of such service with which they have allied themselves. Notification of any corrections or changes in the information given in this column will be appreciated. Address any information of this character to the Managing Editor, The Tech, Massachusetts avenue, Cambridge, Mass.

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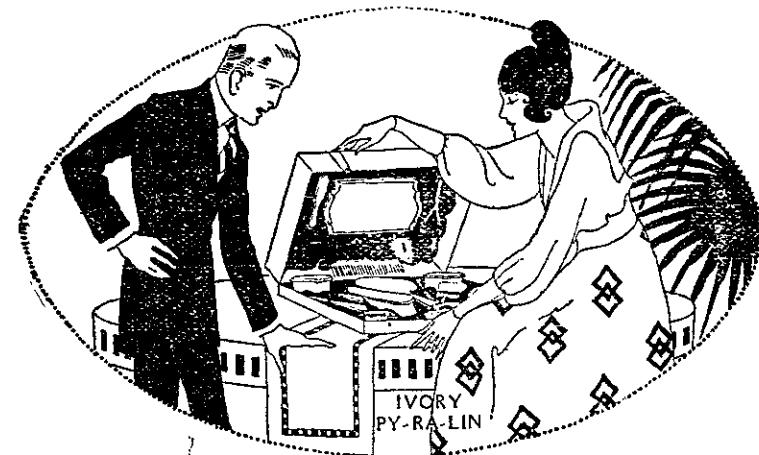
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