

UNVEIL LIKENESS OF FIRST WOMAN GRADUATE TODAY

Ellen H. Richards '73 Was Wife
of Professor Emeritus
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TAUGHT FOR 30 YEARS

Bas-relief by Miss Bashka Paeff
is to be Unveiled by
Prof. Richards

A bas-relief of Mrs. Ellen H. Richards '73, the first woman to be graduated from Technology, and a member of the instructing staff for more than thirty years, will be unveiled at Technology this afternoon.

Mrs. Richards, who died in 1911, was the wife of Professor Emeritus Robert H. Richards '68, formerly head of the Department of Mining and Metallurgy, who will unveil the bas-relief, the work of Miss Bashka Paeff. Mrs. Richards was graduated from Vassar in 1870 and from Technology in 1873.

The work which brought her fame throughout the world as an authority on sanitary chemistry was outstanding in its contribution to knowledge of household economics in which she was a pioneer. Her studies in food chemistry and public health attracted wide attention, and she carried out an extensive survey of the water supply of the state.

Is Gift Of Alumni

This memorial will be unveiled at exercises to be held in Room 10-250 at 4 o'clock this afternoon in the presence of many of Mrs. Richards' colleagues and former students. The bas-relief is a gift to Technology from Alumni. Francis Stern '16 is chairman of the Alumni Committee, which includes among its members Everett Morss '85, Professor Augustus H. Gill '84, Gretchen A. Palmer '18, Professor Samuel C. Prescott

(Continued on Page 4)

December Review Is On Sale Today

Travel Story by Acting Dean
Harold E. Lobdell is
One Feature

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He says that the methods of teaching these sciences in the colleges of the United States is decidedly deficient, in that the general principles are neglected in the rush to teach specific detail. Most colleges, in his opinion, do not devote enough time to their Science courses, and neglect to sum up the general principles. Physics courses should be distributed over the whole four years, and the instructors should try to show to the students the fascinating side of Physics, the marvelous correlation of physical phenomena. He relates the two sciences, physics and medicine, and shows the need for medical instructors' complete knowledge of physics.

Tells of California Trip

"Gravel and Gumbo" is the log of Acting Dean Lobdell's auto trip to California, which he took with his mother this past summer. Expense accounts and a diary of the trip were accurately kept, and the whole story, besides its general interest, furnishes a number of helpful pointers to the uninitiate in long distance touring. Accompanying the article are many photographs of the journey.

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Clarence Darrow



Georges Claude

Dr. Tryon Visits Many Colleges In Southern States

Desire to Establish a Closer
Relation with Schools
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With the intention of showing some of the Southern schools and colleges the many opportunities offered at Technology and aiding those of their students who plan to attend the Institute, Professor James L. Tryon, Chairman of the Board of Admissions, is making a tour in the south. Professor Tryon left Boston November 10 and expects to be back December 15.

President Samuel W. Stratton in a letter to the universities which our "good-will ambassador" is visiting said: "It is the desire of the Massachusetts Institute of Technology to come into closer relations with the colleges and universities from which it receives students by transfer of for post-graduate work. It hopes to facilitate their admission by furnishing them with information and advice in regard to their choice of subjects to be offered for credit, to help them in planning to make up deficiencies, if they have any, by taking summer work, and in general to enable them to carry out their post-graduate program with the least possible expense and delay."

It is with this idea in mind that Professor Tryon is visiting these colleges. His itinerary includes thirteen schools in Virginia, three in North Carolina, three in South Carolina, four in Georgia, and four in Tennessee.

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The following ten Seniors, who are the last men in the Class of '29 to be elected to the fraternity, were chosen from the upper fourth of the class and are as follows: Archibald W. Adkins, Theodore B. Appel, Jr., Henry B. Gibbons, Ralph Veizin, Almer F. Moore, Levon Seron, Fred O. Urban, George J. Meyers, Jr., William H. Jones, Raymond G. Bray. The three men in the Class of '30 to be elected to the society are: John F. Bennett, Philetus H. Holt, D. Tullis Houston.

PHOS ANNOUNCES HIS CHRISTMAS NUMBER

Phosphorous brings us the glad announcement that the Voo Doo will appear within the short space of three days bedecked in the spirit of Yuletide. Next Thursday is the date set for the third appearance of Technology's comic this year.

Ben Smith '30 is responsible for the colorful cover and the issue will feature full page drawings by Louis H. Mollenkoph '29 and Wayne A. Sovereign '30.

ARTHUR WHITING BEGINS SERIES OF CONCERTS IN ROOM 10-250 TOMORROW

Final Tech Show
Trials Will Be
Held Next Week

Need Acting Talent for Several
Skits—First Rehearsal
Next Wednesday

Final cast tryouts for places in Tech Show '29 will be held at 7:30 o'clock tomorrow evening in the Show office in Walker, and every student who can do any kind of acting is requested to report there at this time to Coach William C. Green of the Technology English Department. The first rehearsal will be held Wednesday at the same hour in North Hall, Walker.

With the material for the Show nearly complete, it now remains to obtain suitable characters to fill the large number of parts. While the number of men who took part in the cast tryouts last Tuesday was great enough to get some actors lined up, it was hardly sufficient to fill the roll of active parts that the Show will require this year.

Chorus Try-Out Wednesday
Following the cast trials on Tuesday there will be chorus tryouts Wednesday night in North Hall, with Langdon Matthews, dancing coach, in charge. All former "ponies" and all new men who are interested are requested to be present on this occasion. The meeting will start at 7:30 o'clock and will finish when all men have been put through a few standard and new steps.

Due to the fact that this year's Show is to consist of a large number of short skits instead of being in the form of a musical comedy, the number of characters needed is far in excess of that of any former production. The Show is in need of acting talent to fill the numerous parts, and all undergraduates with ability in this line are requested to make their talents known to the management.

Freshmen and Sophomores wishing to become connected with the Show in a managing capacity may make use of the opportunity offered by several vacancies in the Music Department of the organization, leading to the position of Orchestra Manager in their Junior year. Those interested should see Willis Fleisher '31 in the Tech Show office, Walker, any afternoon after 5 o'clock.

22 MEMBERS ELECTED BY QUADRANGLE CLUB

Sophomore Vacancies Filled by
Genrich and Roddy

Elections of new members to the Quadrangle Club were made at the second meeting of the year last Tuesday night. At that time two Sophomores and twenty freshmen were chosen as members of the Club. The next meeting of the Club will be held on December 11th at which time final plans will be made for a banquet to be held a week later.

Due to the fact that two of the Sophomore members of the Club did not return to school this fall their vacancies were filled by J. Harold Genrich '31, and Gilbert M. Roddy '31. The members of the freshman class who were elected to the Club are: Joseph B. Paul; John M. Kimble; Thomas B. Rhines; Robert B. Semple; Richard M. Stewart; Thomas E. Sears, Jr.; Edward M. Rickard; Otway W. Rash, Jr.; Avery Bates; Addison S. Ellis; William F. Spreen; Francis O. Merchant; John Lawrence; Peter P. Shelby; Thomas K. Fitzpatrick; Thomas S. Varoy; Robert D. Butler; Francis S. Chambers, Jr.; Robert G. Henry, Jr.; and Herbert F. Riss.

LEADING MUSICAL INTERPRETER WILL EXPLAIN NUMBERS

Corporation Arranges Fourth
Series of Concerts by
Noted Musician

STUDENT BODY INVITED

Mr. Arthur Whiting, one of the leading interpreters of modern music, will present a recital from the works of various music masters to the members of the Corporation, the Faculty, their families and the students of Technology in Room 10-250 tomorrow night at 8:15 o'clock. He will be assisted by two accompanying artists in presenting this program which will be the first of this year's series of Whiting Concerts.

Cooperating with the Corporation of the Institute, Mr. Whiting has already presented three series of three recitals each during the past three years. The programs of these were so designed as to illustrate certain phases and trends of musical thought, and its development since the earliest period.

Will Explain Each Number
In his introduction at the first concert tomorrow evening Mr. Whiting will give a brief informal talk on the appreciation of music after which he will start the musical program. Then preceding each selection he will give an analysis of it, explaining the theme involved. During his program Mr. Whiting will play the

(Continued on Page 4)

A.I.E.E. To Hear Charles L. Edgar

Will Talk on "Opportunities for
Graduates in a Public
Utility Company"

Mr. Charles L. Edgar, President of the Edison Electric Illuminating Company of Boston, will address the students interested in electrical engineering on Friday, December 7. The subject of the address is "The Opportunities for Engineering Graduates in a Public Utility Company."

The Boston Edison Company is notable among the public utility companies supplying electricity for light and power. Last year it was awarded the Charles A. Coffin Medal, "In recognition of its distinguished contribution to the development of electric light and power for the convenience of the public and the benefit of the industry." As head of this organization, recognized among the foremost in the country, President Edgar is eminently qualified to place before the undergraduates those ideals and policies held by the up-to-date progressive public utility companies.

This meeting is the last of the series held under the auspices of the M. I. T. Branch of the American Institute of Electrical Engineers, for the purpose of acquainting the students of electrical engineering, especially freshmen and Sophomores, with the conditions and opportunities existing in the various branches of the electrical engineering industry. Supper will be served at 6 o'clock in the Faculty dining room in Walker Memorial, followed immediately by President Edgar's address and moving pictures, showing the more prominent activities of a public utility company. The meeting will be over by 8 o'clock.

While these meetings are especially for undergraduates, everyone interested in this branch of engineering is cordially invited to both the supper and the meeting. Admission is by ticket, for which there is no charge, and which may be obtained in Room 1-205.

OFFICIAL BULLETIN

WHITING CONCERTS 1928-1929 Season

The Whiting Concerts are to be held in Room 10-250 on the following Tuesday evenings:

December 4 February 19
January 15 March 5

ECONOMICS

The following speaker will lecture before the class in Business Management in Room 1-190:

Mr. R. W. Price

District Manager, The McCaskey Register Company
November 28, 9 A. M.

Subject: "Production Control"

CIVIL ENGINEERING

A series of lectures by Kenneth C. Reynolds, Instructor in the Department of Civil Engineering, who has been studying in Germany under a John R. Freeman Traveling Scholarship, on

"Laws of Hydraulic Similitude as Applied to Experiments With Models."

The lectures will be given in Room 1-150, Wednesday, November 28 at 3 P. M. and on December 3 and 5, at hours to be announced.

CALENDAR

Wednesday, November 28

5:00—Mathematics Club Meeting, Room 4-231.
6:30—Civil Engineering Society Dinner Meeting, Grill Room, Walker Memorial.
6:30—Chemical Engineering Society, Grill Room, Walker Memorial.
8:00—I.L.I.T. Archimedes Society Dance, North Hall, Walker Memorial.

Saturday, December 1

8:00—Varsity Basketball—M. I. T. vs New Bedford, Hangar Gym.

NOTICES

T. E. N. PICTURES

Pictures of T. E. N. staff will be taken today at 5 o'clock in Room 11-004. Please be prompt.

JOHN SPANG

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"First Tested—Then Sold"
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Between 47th and 48th Streets, New York



Cambridge Shop
252 Abbott Bldg., Harvard Square



A perennial favorite with smart people and one of the best—
LEO REISMAN'S ORCHESTRA
from 6:30 to 2 A. M.

HOTEL BRUNSWICK
EGYPTIAN ROOM

SIMPLEX

WIRES AND CABLES

INSULATED WITH RUBBER

PAPER OR VARNISHED

CAMBRIC

SIMPLEX WIRE & CABLE CO

MANUFACTURERS

301 DEVONSHIRE STREET
BOSTON

CHICAGO SAN FRANCISCO

NEW YORK CLEVELAND

JACKSONVILLE

Punishment Fails To Stop Crime Is Claim Of Lawyer

Crime is Employed Of Only Uneducated and Idle He Asserts

(Continued from Page 1)

according to Mr. Darrow, "Therefore," he stated, "Religion is no guide!"

Is Conscience A Guide

Mr. Darrow next disposed of conscience as a guide. "What is it? What does it know?" were his words. "If it knows how does it find out?"

He disposed of conscience by showing that it is not in the human body, that it changes with the times and that different people have different consciences. Therefore it must be only a state of mind. The child gets it from its parents who got it from their parents. The preacher teaches them the teacher helps and then the neighbors take a hand and finally the child has a fine conscience. Thus he showed that conceptions of right and wrong depend on customs and "folk ways" which are always changing.

Is Punishment Right

The speaker maintained the opinion that punishment is unjust. People say that a person is punished for doing something maliciously and wilfully but the speaker maintained that no one has free will. This point he illustrated by showing the importance of a man before his heredity.

Many excuses are given for punishment. It is said to be used to keep others from crime. So Jones must be hanged to keep Smith straight. Rather tough on Jones to say the least. Punishment is an offspring of vengeance and revenge.

"Punishment has not stopped crime." As a case, Mr. Darrow stated that of the burglar, who does not hesitate to shoot to kill if disturbed while plying his trade although he well knows that if he is caught as a burglar he will get five years but if convicted for murder he will hang. "The only people stopped by fear of the punishment are those too weak-kneed to do anything."

Crime and Poverty

Mr. Darrow stated that if we visit any prison at all, we will find that the people who commit crimes are not rich but poor. We will find very few preachers or doctors or lawyers or carpenters in jail. They have other things to do. It is generally known that people who can make a living do not commit crimes.

Mr. Darrow then gave his theory for stopping crime which consisted of educating people, not through books, but teaching them some trade. People never get anything out of books. "If everybody had an education which would enable them to do something in life, there would be no burglars or murderers. When we stop judging and hating people then we will do away with crime."

Clarence Darrow was well received by the students as evidenced by the well-filled hall and round after round of applause. The students seemed to like his cynical tone and manner and many agreed with him in his view. The many who took advantage of this opportunity to hear this great speaker considered their time well spent.

HARRIERS COMPETE IN I.C.A.A.A. MEET

(Continued from Page 3)

The sprint between the two leaders when the finish line was in sight was more like that of a half-mile race.

In the freshman race the M. I. T. yearlings took thirteenth place. This event was won by the University of Pennsylvania in the fast time of 15:11. Three Pennsylvania men crossed the line in a dead heat for first place.

The summary:

Varsity team scores
Penn State 45
Maine 96
Cornell 102
New York U. 119
Syracuse 130
Harvard 167
Dartmouth 169
Columbia 175
Yale 198
M.I.T. 227
Princeton 255
U. of Pennsylvania 314

Freshman team scores
U. of Pennsylvania 61
Syracuse 65
Penn State 83
Cornell 91
New York U. 95
Dartmouth 202
Manhattan 235
Union 246
Princeton 249
Yale 270
C. C. N. V. 291
Rutgers 295
M.I.T. 300
Carnegie Tech 327
Columbia 348

Students Indulge in Lunar Observations

Many students braved the cold yesterday morning about 3 o'clock to get a glimpse of the eclipse of the moon. After struggling to get out of bed and arousing the courage to go on the roofs of their dwellings, they came down thoroughly disgusted when the fog and clouds did not disclose the object of their wonder. Nevertheless a few patient sufferers saw the red brown haze in the lunar direction and finally convinced themselves that it was the eclipse. Many freshmen wanted to use the Institute telescope to watch it, but they were informed that Technology men do not indulge in star gazing except on certain rare occasions.

A.A. PASSES AWARDS OF FIELD DAY TEAMS

Awards of the 1932 numerals to the Field Day football and Tug-of-war teams were passed at a meeting of the M. I. T. A. A. Executive Council which was held at Walker on Monday at 5:15 o'clock. Awards of the 1931 football Field Day team numerals were tabled pending the reception of the new constitution from Dr. Allan W. Rowe '01.

Twenty-three men will receive their numerals for their work on the freshman football team, and twenty-nine will be awarded their numerals for their participation in the Field Day tug-of-war team.

Albert R. Pierce, Jr. '31, was appointed as supervising manager of Football for the Fall of 1929. It was believed that more thorough arrangements could be made if this position was chosen in the Fall instead of in the Spring.

PLAQUE FOR T.C.A. HEADS IS STARTED

Heads of the various departments of the T. C. A. will have an opportunity to have their names placed on

BEST FOOD at Lowest Prices is Uncommon WE HAVE BOTH The Esplanade

BRIGHT OUTLOOK FOR M.I.T. HOCKEY TEAM

About 45 men attended an enthusiastic hockey mass meeting which started the pucksters on their way to a busy winter season last Monday night. A short talk on the Varsity and freshman hockey schedule for the coming year was given by Manager Snyder, followed by a talk by Captain White on the outlook for this year's team. Coach Russell Dean who has coached the team for the past three years will be back again this year. Practice this year will be held at the new Boston Arena, the men reporting daily at 7 o'clock in the morning.

The prospects for this year are exceedingly bright, the brightest in fact the Institute has had in many a season. With such men back as Captain White, ex-captain Crosby, Peene, Horan, forwards; Riley, and Burke, goalies; Donahue, Fahey, and Lucey, defence; the team should get away to a good start. However the wealth of material does not stop there as such men as Vinn, Paris, Flatley, Ford, Baker, Diverman, Hazeltine, Girade, Lawson, Pear, Goodhand, and Hall are also out for the team, most of these men being from last year's freshman team. Also, Francis Meade and Bill Cullinan, stars on the '27 Varsity team are back in school and are out for the team. In view of the fact that the team is late in getting started this year and also that the Harvard game is only two weeks off, the team will go into intensive training immediately.

a plaque which will be placed in the main office, according to an announcement that was received yesterday.

Each year, the department head who accomplished the most work during the year will be honored by having his name inscribed on the plaque. The announcement of the award will be made in March, when the new officers are elected. This idea will be started this March for the first time, when the president, vice president and treasurer of the T. C. A. will make the choice.

THE REPERTORY

THEATRE OF BOSTON
Management the Jewett-Repertory Theatre Fund, Inc.
BACK Bay 7000

LAST WEEK OF SHAKSPEARE'S TEMPEST

Evening, 8:20. Mats. Thursdays & Sat. 2:20.
Seats: Filene's, Jordan's, Shepard's, Gilchrist's
NEXT WEEK—CHARLEY'S AUNT

Advertisement for FINGLEY THE FINGLEY Establishment featuring various clothing items like Coats, Hats, Shoes, and Jewels, with an illustration of a woman in a dress.

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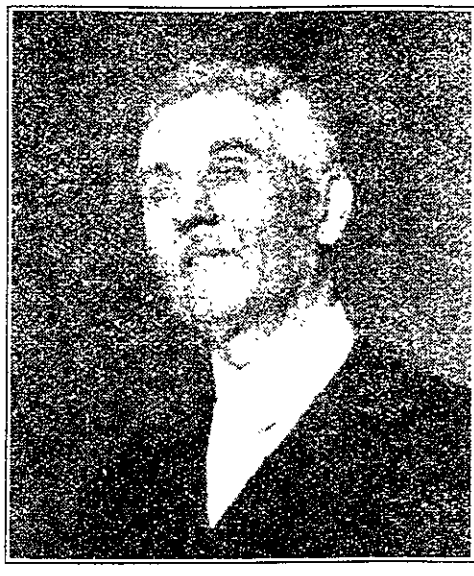
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Next Wednesday

Final cast tryouts for places in Tech Show '29 will be held at 7:30 o'clock tomorrow evening in the Show office in Walker, and every student who can do any kind of acting is requested to report there at this time to Coach William C. Green of the Technology English Department. The first rehearsal will be held Wednesday at the same hour in North Hall, Walker.

With the material for the Show nearly complete, it now remains to obtain suitable characters to fill the large number of parts. While the number of men who took part in the cast tryouts last Tuesday was great enough to get some actors lined up, it was hardly sufficient to fill the roll of active parts that the Show will require this year.

Chorus Try-Out Wednesday
Following the cast trials on Tuesday there will be chorus tryouts Wednesday night in North Hall, with Langdon Matthews, dancing coach, in charge. All former "ponies" and all new men who are interested are requested to be present on this occasion. The meeting will start at 7:30 o'clock and will finish when all men have been put through a few standard and new steps.

Due to the fact that this year's Show is to consist of a large number of short skits instead of being in the form of a musical comedy, the number of characters needed is far in excess of that of any former production. The Show is in need of acting talent to fill the numerous parts, and all undergraduates with ability in this line are requested to make their talents known to the management.

Freshmen and Sophomores wishing to become connected with the Show in a managing capacity may make use of the opportunity offered by several vacancies in the Music Department of the organization, leading to the position of Orchestra Manager in their Junior year. Those interested should see Willis Fleisher '31 in the Tech Show office, Walker, any afternoon after 5 o'clock.

22 MEMBERS ELECTED BY QUADRANGLE CLUB

Sophomore Vacancies Filled by
Genrich and Roddy

Elections of new members to the Quadrangle Club were made at the second meeting of the year last Tuesday night. At that time two Sophomores and twenty freshmen were chosen as members of the Club. The next meeting of the Club will be held on December 11th at which time final plans will be made for a banquet to be held a week later.

Due to the fact that two of the Sophomore members of the Club did not return to school this fall their vacancies were filled by J. Harold Genrich, '31, and Gilbert M. Roddy, '31. The members of the freshman class who were elected to the Club are: Joseph B. Paul; John M. Kimble; Thomas B. Rhines; Robert B. Semple; Richard M. Stewart; Thomas E. Sears, Jr.; Edward M. Rickard; Otway W. Rash, Jr.; Avery Bates; Addison S. Ellis; William F. Spreen; Francis O. Merchaut; John Lawrence; Peter P. Shelby; Thomas K. Fitzpatrick; Thomas S. Vacey; Robert D. Butler; Francis S. Chambers, Jr.; Robert G. Henry, Jr.; and Herbert F. Ross.

LEADING MUSICAL INTERPRETER WILL EXPLAIN NUMBERS

Corporation Arranges Fourth
Series of Concerts by
Noted Musician

STUDENT BODY INVITED

Mr. Arthur Whiting, one of the leading interpreters of modern music, will present a recital from the works of various music masters to the members of the Corporation, the Faculty, their families and the students of Technology in Room 10-250 tomorrow night at 8:15 o'clock. He will be assisted by two accompanying artists in presenting this program which will be the first of this year's series of Whiting Concerts.

Cooperating with the Corporation of the Institute, Mr. Whiting has already presented three series of three recitals each during the past three years. The programs of these were so designed as to illustrate certain phases and trends of musical thought, and its development since the earliest period.

Will Explain Each Number
In his introduction at the first concert tomorrow evening Mr. Whiting will give a brief informal talk on the appreciation of music after which he will start the musical program. Then preceding each selection he will give an analysis of it, explaining the theme involved. During his program Mr. Whiting will play the

(Continued on Page 4)

A.I.E.E. To Hear Charles L. Edgar

Will Talk on "Opportunities for
Graduates in a Public
Utility Company"

Mr. Charles L. Edgar, President of the Edison Electric Illuminating Company of Boston, will address the students interested in electrical engineering on Friday, December 7. The subject of the address is "The Opportunities for Engineering Graduates in a Public Utility Company."

The Boston Edison Company is notable among the public utility companies supplying electricity for light and power. Last year it was awarded the Charles A. Coffin Medal, "In recognition of its distinguished contribution to the development of electric light and power for the convenience of the public and the benefit of the industry." As head of this organization, recognized among the foremost in the country, President Edgar is eminently qualified to place before the undergraduates those ideals and policies held by the up-to-date progressive public utility companies.

This meeting is the last of the series held under the auspices of the M. I. T. Branch of the American Institute of Electrical Engineers, for the purpose of acquainting the students of electrical engineering, especially freshmen and Sophomores, with the conditions and opportunities existing in the various branches of the electrical engineering industry. Supper will be served at 6 o'clock in the Faculty dining room in Walker Memorial, followed immediately by President Edgar's address and moving pictures, showing the more prominent activities of a public utility company. The meeting will be over by 8 o'clock.

While these meetings are especially for underclassmen, everyone interested in this branch of engineering is cordially invited to both the supper and the meeting. Admission is by ticket, for which there is no charge, and which may be obtained in Room 4-205.

A Record of Continuous News Service for 47 years.



Official News Organ of the Undergraduates of M. I. T.

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OFFICES OF THE TECH Walker Memorial, Cambridge, Mass. News and Editorial—Room 3, Walker, Telephone Univ. 7029 Business—Room 302, Walker, Telephone Univ. 7415 Printer's Telephone—HANEOCK 5060-1-2 SUBSCRIPTION PRICE, \$2.50 PER YR. Published every Monday, Wednesday and Friday during the College year except during college vacations Entered as Second Class Matter at the Boston Post Office Member Eastern Intercollegiate Newspaper Association

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In charge of this issue:

J. W. Bahr '31 C. Connable '30

WHITING CONCERTS

THOUSANDS of people in Boston alone subscribe years ahead to weekly concerts at Symphony Hall; soloists are paid fabulous sums by music-loving audiences; and the music that they listen to has all been developed within the last three hundred years, though based upon the folk songs and dances which preceded. As the mechanics of it, instruments and so on, became more perfect, there appeared from time to time geniuses who could interpret the spirit of the people around them as well as their own feelings, and who could produce those feelings in the form of music.

It is interesting to compare the evolution of music with that of literature, and notice at the same time the various changes in society. There is a peculiar affinity connecting all three. Society is of course the root, but the arts are by no means an imperfect mirror of their times. In recent years there have been radical changes in man's outlook and belief, and everyone who reads must notice that authors are trying to do with books what has never been done before. So have artists changed the form of their expressions; modern music, for instance, uses fundamentally different methods to reach one's emotions.

This is the fourth year that the Institute has arranged for a series of concerts under the direction of Mr. Whiting. They are intended primarily for the students and comprise programs designed to illustrate certain of those phases and trends of musical thought and development. Besides the various analogies which have been indicated, there exists the eternal pleasure of listening to beautiful music—a pleasure and appreciation which increases wonderfully with acquaintance.

STAFF ELECTIONS AND PROMOTIONS

VOLUME XLVIII of THE TECH takes pleasure in announcing the following elections and promotions, subject to the approval of the Institute Committee in accord with its Points System.

Promotions

To Assistant to Managing Editor: Carl Connable '30. To Assistant Circulation Managers: Joseph J. Alkazin '31, John K. Minami '31. To Assistant Treasurers: David M. Goodman '31, Donald S. Loomis '31. To Assistant Advertising Managers: Gilbert M. Roddy '31, Robert H. Haberstroh '31, Harmon J. Truax '31. To Night Editors: Ralph Davis '31, Stuart C. Westerfeld '31, Edwin S. Worden '31. To Newswriters: John W. Bahr '31, John R. Swanton '31, Myron F. Burr '31. To the Editorial Board: William B. Schneider '31.

Elections

Reporters: Donatien L. Dionne '32, Paul A. Davis '31, Adolph H. Feibel '32, Stuart R. Fleming '32, Milton S. Hathaway '32, Eric P. Newman '32, Edmund F. McLaughlin '32, Paul A. Roberts '32, Wendell N. Currier '32, Samuel G. Nordlinger '32, Rowland Thomas '32, Elwood W. Shafer '32, Edward B. Hubbard '31, Robert A. Fuller '32. Circulation Staff: Willis M. Moore '32, W. B. Pierce '32, E. D. McLeod '32, Lawrence C. Littlefield '32. Treasury Staff: Willem Holst '32, Harry Swachman '32. Advertising Staff: John B. Tucker '31, William H. Barker '32, Leslie C. Bond '32, A. Jewell '32, Charles E. McCormack '32, Edward F. Moran '32, Willard B. Simonds '32, Maurice D. Triouleyre '32. Staff Photographer: Theodore Lewenberg '31.

As We See the Movies

METROPOLITAN

Those who delight in the doings of Clara Bow would do well in visiting the Met this week, for their feature picture, Elinor Glynn's "Three Week Ends," could not be more typical of this chubby-faced red head. Those who do not care for Clara any more than we do won't be particularly bored by her latest light comedy, while the stage production is of such high calibre that it is worth sitting through almost any movie to see.

Madame Glynn (as the Met press agents have it) has written for Clara and Neil Hamilton and Harrison Ford a story of just another chorus girl who wins her man even after finding that he isn't at all a millionaire, and captures for him the commission from a million dollar insurance policy to boot. To our mind, Clara is still the same as ever; she dances a bit, dangles her feet in a swimming tank, has her clothes stolen, is caught by her beautiful young lover in an apparently very unmentionable scene, and smiles her way through the customary several reels. Neil really is capable of a terrific slap when called upon. If you like Clara, you'll surely be pleased.

"Topsy Turvy Town" finally brings forth that differentness in stage presentations that we have been hoping to see for years. Beginning with a clever dance version along the lines of Black Art, the theme leads through an exceptionally amusing sequence of clowning and stepping, featuring a trained terrier whose equal we have not seen in years. We pray most earnestly that this high level of light vaudeville may long continue.

Away from the Grind

CHI PHI

The Chi Phi House was the scene of a successful Thanksgiving dinner dance last Wednesday evening, at which there were about seventy-five couples. Mr. and Mrs. Underhill were the chaperones, and the music was furnished by Dick Edwards' Orchestra.

James Dupont '26, has been visiting at the Chi Phi house for a few days.

DELTA KAPPA EPSILON

The Sigma Tau Chapter of the Delta Kappa Epsilon Fraternity held an entertainment and tea dance yesterday afternoon, with about thirty couples in attendance. The affair was a decided success.

PHI KAPPA SIGMA

Feeling that they were entitled to some special celebration on Thanksgiving Day, even though they had

THE TECH BOOK LIST

- Abdullah—"Steel and Jade"
Anbury—"The Emperor Falls In Love"
Auld—"The Dawes Plan"
"The Letters of Gertrude Bell," Two Volumes
Belloc—"The Haunted House"
Benet—"Poems of Youth"
Bosanquet—"Science and Philosophy"
Burt—"They Couldn't Sleep"
Chesterton—"The Secret of Father Brown"
Chesterton—"Stevenson"
Darrow—"The Story of Chemistry"
Davidson—"The Tall Men"
De Fiori—"Mussolini"
Dictionary—"National Biography"
Dunmer—"The Unconscious"
Eastman—"Venture"
Eaton—"The Best French Short Stories, 1926-27"
Figgis—"Recollections of The Irish War"
Fletcher—"The Bartenstein Mystery"
Fletcher—"Harcians Hollow"
Garrett—"Letters of Joseph Conrad"
Gide—"The Counterfeiters"
Goumont—"Dream of Woman"
Groom—"The Singing Sword"
Guedalla—"Conquistador"
Hay—"The Poor Gentleman"
Hemingway—"Men Without Women"
Hill—"Living Machinery"
Kerr—"Jacques Coeur"
Lehman—"The Zeppelins"
Lenny—"Old Father of Waters"
Lewis—"Time and The Western Man"
Indwige—"Genius and Character"
Morison—"Oxford History of The United States"
Molnar—"The Paul Street Boys"
Morgan—"The Eel"
Montague—"Right Off the Map"
Powell—"She Walks In Beauty"
Ripley—"Modern Bait and Fly Casting"
Riesenberg—"Red Roses"
Seitz—"Life of Joseph Pulitzer"
Sinclair—"History of Anthony Waring"
Stapole—"Goblin Market"
Stern—"Debonair"
Stewart—"Anatole France"
Storm—"Lady, What of Life?"
Swinnerton—"Tokefeld Papers"
Shepard—"Garden and Design"
Tarkington—"Clair Ambler"
Taylor—"Environment and Race"
Thiess—"The Gateway To Life"
Terhune—"Water"
Thomson—"Air Facts and Problems"
Valentine—"The Psychology of Personality"
Vandercook—"Black Majesty"
Van Doren—"Samuel Sewall's Diary"
Van Gelder—"History of the Explosives Industry"

to stay in Boston, the men who remained at the house for the day entertained guests at dinner. About fifteen men and their guests sat down to the roast turkey and "all the fix-ins" which had been amply provided. This custom has become an annual one at the house, for it makes a pleasant day for those men who live too far away to go home for this vacation.

SIGMA CHI

Seven members of the Alpha Theta Chapter of Sigma Chi attended the installation ceremonies of the new Gamma Mu Chapter at Wesleyan University, Middletown, Connecticut, a week ago. The new chapter is composed of the former Commons Club at Wesleyan, making the eighty-eighth chapter of the Sigma Chi Fraternity.

The installation ceremonies lasted for a period of about three days. Practically all of the national officers from Chicago were present, and over one hundred and fifty initiates, alumni, and representatives from approximately forty other chapters were seated at the final banquet. The Sigs from the local chapter who attended were: Hunter Rouse, George Wadsworth, Harold Genrich, Richard Wilson, Frank Matthews, Henrik M. C. Luykx, and Carroll McCulloh, the president of this chapter taking an active part in the installation.

SIGMA NU

The Sigma Nu House had for visitors last week-end John C. Melcher '28, and Wick Eddy '26 who drove up from Philadelphia. They drove back

PLAY DIRECTORY

Stage

COPLEY: "Marigold". COLONIAL: "Carmen". American Opera Company. Program changes nightly. HOLMES: "The Guardsmen". First Theatre Guild production here. See it. PLYMOUTH: Ruth Draper in original character sketches. OPERA HOUSE: "Redemption". Europe's foremost actor in one of the most important productions of the year. SHUBERT: "The Red Robe". Last two weeks of a colorful operetta. ST. JAMES: "The Kreutzer Sonata". Madame Bertha Kalich is guest star in a very dramatic production. TREMONT: "Blackbirds". Hoofing and singing at its best. WILBUR: "The Kingdom of God". We hope Miss Barymore loses her cold before long. REPERTORY: "Charley's Aunt". One of the old favorites and still funny.

Screen

LOEW'S STATE: "The Masks of the Devil". Gilbert as the devil. METROPOLITAN: "Three Week Ends". Reviewed elsewhere. KEITH MEMORIAL: "His Private Life". FENWAY and OLYMPIA: "The Terror". MODERN and BEACON: "The Toilet".

again Sunday afternoon. Another visitor in Boston for the week-end was George C. Houston '27.

THETA CHI

As an announcement of his engagement to Carol Martin of Wellesley, Charles R. Prichard, Jr., '30, passed cigars last Saturday noon to the members of the Theta Chi House.

HERRICK PHONES ALWAYS THE BEST SEATS Copley Square 4760-4761 4762-4763 KENmore

Advertisement for LANGROCK FINE CLOTHES featuring a CASH CLEARANCE SALE. Includes text: 'Splendid Selections Too!', 'Clothes Customed-To-Don can be provided at the last minute— at Worthwhile Savings', 'SUIT Suits Formerly \$55 - - - - \$42.50 Formerly \$60 - - - - \$47.50 Formerly \$65 - - - - \$51.50 Formerly \$70-75 - - - - \$57.50 OVERCOATS Formerly \$65 - - - - \$47.50 Formerly \$70 - - - - \$53.50 Formerly \$75 - - - - \$57.50 Formerly \$75 to \$85 Chesterfields \$61.50 OPEN EVENINGS LANGROCK HARVARD SQUARE 1436 MASS AVE. CAMBRIDGE OTHER STORES AT YALE, PRINCETON, WILLIAMS, BROWN, ANDOVER, EXETER, LAWRENCEVILLE and NEW YORK CITY

ENGINEER FIVE WINS OPENING GAME

Beat New Bedford 39-15 As Brig Allen and Dave Motter Each Get 5 Goals

Opening their season with a victory, the Cardinal and Gray basketball team defeated New Bedford Textile by a score of 39-15 in the Hangar Gym Saturday night. During the first half the Engineers were unable to break through the New Bedford defense, the score at the end of the half being 10-5 in the Engineers' favor.

At the beginning of the second half Coach McCarthy's cohorts loosened up and succeeded in breaking through the stubborn New Bedford defense. Led by Brig Allen and Captain Brockleman the Cardinal and Gray used a fast passing game that completely baffled the Textile five.

Motter Plays Well
Dave Motter, a member of last year's freshmen team, showed up exceptionally well in Saturday's game making five baskets and a foul for a total of eleven points. He did not start the game, however, as he was substituted at right guard for McDowell. He ranked next to Brig Allen in scoring honors, getting the same number of field goals, but Brig sank two more fouls.

Captain Brockleman and Brig Allen were up to their usual form with Brockleman tapping the ball to the forwards who rapidly worked the ball down the floor. His passing to Motter and Allen combined with his fine defensive work were the features of the game.

Rawliff Outstanding New Bedford Player

Rawliff led New Bedford's attack by scoring five baskets for a total of ten points. He seemed able to break through the Engineers' defense quite often, and his shots were fairly accurate. Stevens, the Weaver's left guard scored the only other New Bedford goal, the remaining three points coming as a result of fouls.

This game gave Coach McCarthy a chance to size up the team for the game with Boston University next Saturday. The chief defect that the team seems to have is that it is slow in getting started. During the first half, the Cardinal and Gray played a very sluggish game, and their shots were inaccurate.

M. I. T. 39			
	G.	F.	P.
Bates, rf.	0	0	0
Nelson, rf.	1	1	0
Coffee, rf.	0	0	0
Allen, lf.	5	3	2
Brockleman, c.	2	2	1
Harrison, lg.	0	0	0
Lawson, lg.	2	1	1
McDowell, rg.	0	1	0
Motter, rg.	5	1	1
Total	15	9	5

New Bedford 15			
	G.	F.	P.
Rawliff, rf.	5	1	4
Winsper, rf.	0	0	0
Stevens, lf.	1	1	1
Karl, c.	0	0	2
Sullivan, c.	0	0	0
Pierce, rg.	0	0	3
Adams, rg.	0	1	0
Winsper, lg.	0	0	3
Cook, lg.	0	0	0
Total	6	3	13

Fire recently destroyed the John C. Green School of Science of Princeton University. The damage to the three story stone structure, one of the oldest in the University, was estimated at \$200,000.

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BATTERY AND CADETS MEET ON TECH FIELD

Battery A Defeats Old Rival in Annual Grid Battle

Battery A of the 101st Field Artillery, M. N. G., won the 22d annual service football game from its ancient and honorable rival, 1st Corps of Cadets, 211th C. A. Anti-Aircraft, M. N. G., 9-0, at Tech Field last Thursday morning.

The Battery capitalized the breaks of the game all of the way and scored a safety in the third period when Sam Eddy, 1st Corps quarterback, fell on the ball in back of his own goal line, and again late in the last quarter when Henry Pinkham bucked the line for a touchdown.

Both teams were composed practically entirely of former college stars, with Harvard having the greatest representation. However, it was a schoolboy, Marshall Burpee, former Malden High and Clark school player, who took the spotlight. The Malden lad held down the left guard berth for the 1st Corps, and his defensive tactics caused the Battery considerable trouble. He was through the line on every play and made many sensational tackles.

Another 1st Corps linesman, Mike Gulian, ex-Brown captain, who played the entire game at right tackle, stood out. Late in the final quarter he recovered a fumble behind the Battery line but was forced to relinquish the ball when one of his mates was caught off-side. But this did not bother the former Brown star as, on the next play on a smash at his berth, he noticed that Pond carried the ball loosely so relieved the Battery fullback of his burden by taking the ball from his arms as he hit the line.

The superior condition of the Battery players was largely responsible for the victory. During the first half the teams were practically in a deadlock, with a couple of running plays and then a kick being the order.

Football Easier Than Before Says Illinois Mentor

Coaches Have to Use Brains of Players Under Modern Playing Rules

"Was the old game harder on the players?" asks Bob Zuppke of Illinois in his article, "How Hard Is Football?" in the December College Humor. "From everything I have heard from it from the old-time coaches and players, there is no doubt but that it was." And the Illinois coach goes on to tell of harrowing journeys by old-time football teams with six games to be played in eight days.

Today our college teams play on an average of eight games a season. He says that the teams are not worked so hard nowadays because the coaches are essentially teachers. Good coaches know how much they should load on a man in order that he may not become too much fatigued, physically and mentally.

Many players squawk against the inordinately dull, hard football practice, perhaps because their vanity has been hurt, perhaps because they have been playing on a losing team. For anyone who would be good in anything, however, there is always drudgery. For those who have been raised in a soft, pampered environment, with cars, fur coats, and plenty of women, golf tends to be the more popular sport. The names which appear in the football lineups evidences this: Shelinski, Raskovsky, Nowack. This simply means that the first generation descendants of the newer immigration come from rugged stock and less enervating homes where existence is more of a struggle.

"Don't think of football as a recreation or exercise," Zuppke continues. "It is only the old who talk about such things. In football youth finds the safety valve for his spirit.

WINTER TRACK SCHEDULE

- Varsity
- Jan. 27—K. of C. games
- Feb. 2—B. A. A. games
- Feb. 9—Millrose games
- Freshmen
- Feb. 2—B. A. A. games
- Feb. 16—Brown Freshmen at Providence
- Feb. 27—Huntington School at M. I. T.

Sports Night Will Be Held in Walker Gym Friday Night

Gym, Boxing, Wrestling, Fencing, and Basketball Teams to Put on Exhibition

Sports Night will be held Friday December 7 in Walker Gym and all of the indoor sports will be represented and the event promises to be one of the best in many years. The gym, fencing, boxing, wrestling and basketball teams are all planning exhibitions.

Due to the fact that the annual event is going to be held in Walker gym instead of the Hangar, the Gym team will be able to give a much better exhibition than they have given in previous years, as they will be able to use all of their apparatus. Dave Wells is expected to have a series on the high bar and the rings. He has been working hard during the past couple of weeks and has developed a number of new turns. Wes Reynolds will be seen on the rings and parallel bars while Captain Fairchild will be seen in action on the side horse.

While the fencers have no definite plans, they have been practicing consistently for the past couple of weeks and it is expected that they will have several men in trim for the event. The boxers and the wrestlers have not announced their plans, but there will probably be several contests put on by the members of these teams.

As the basketball teams play Boston University on Saturday, it is not known whether they will put on an exhibition or not as the team members will have to conserve their energy for the game on Saturday night. Definite plans for the annual event will be issued later in the week when the team managers turn in their proposed events for the evening.

FRESHMEN CAGERS TO MEET B. U. SATURDAY

With the first frosh basketball game less than a week away, the team is still unpicked, and probably all of the survivors of the first two cuts will get a chance to play in the first game to prove their worth. Among the candidates trying out for the yearling team are several former captains of prep school teams, who should help to make the frosh team formidable opponents for the B. U. cagers in the Hangar Saturday.

Sports Desk

Coach McCarthy's Varsity basketball team got away to a good start Saturday night by decisively defeating New Bedford to the tune of 39 to 15. As was expected Brig Allen was the star of the game and was a constant threat to the visitors, tallying his goodly share of the points for the Cardinal and Gray five.

Dave Motter, a member of last year's frosh team was the "find" of the game making five baskets and displaying some real class that should assure him of a place on the Varsity team for the rest of the season. The playing of the team as a whole could have been a great deal better but this was to be expected in the first game of the season.

Oscar Hedlund's track squad will move to their winter quarters this afternoon when the newly remodelled board track in back of the track-house comes into use for the first time. The track men will lose no time in getting ready for the winter's work although the first competition will not come until the last week in January. However the popular handicap meets will be held at regular intervals before that time.

Football is more than a game; it is not a physical expression, although it is expressed physically. It is a symbol of sportsmanship and it is virile drama.

Track Men Take To Boards Today In Preparation For Indoor Winter Schedule

THREE WINTER MEETS ON TRACK SCHEDULE

Hallahan and Ladd Are Back for the Mile Relay Team

Now that the cross country season has passed into history, the winter track season is starting with a bang. The candidates will run on the board track for the first time today, and practice for the relay teams will commence. In less than two months the indoor track season will be in full swing, and Coach Hedlund expects to produce some good relay material before that time. The track has been re-planked this fall and the men are eager for a chance to try it out.

The Varsity will enter three meets this year, as they did last winter. The first of these will be the K. of C. games on January 27. M. I. T. will run a one-mile relay team against Brown in this meet. There is a wealth of Varsity material from which to pick the team, the most promising candidates being Hallahan, Ladd, Earle, Berry, Gonzalez, Riley, Reynolds, Svensson, Ayers, Barrington, Goodhand, and Lappin.

Hallahan and Ladd Are Back

Hallahan and Ladd were members of last year's team which defeated Brown in the K. of C. games by more than sixty yards. The other two members of this team were Fay and ex-Captain Meagher. It will be a difficult task to find someone to fill the shoes of these two stars, but with Hallahan and Ladd as a nucleus, a fine team can be developed. Several individual competitors will enter the open handicap events at these games as they did last year, when Worthen placed third in the 1000-yard run, Berry third in the 600, and Benjamin second in the high jump.

On February 2 two teams will enter the B. A. A. games, in the two-mile and one-mile relay races. The one-mile event will be a dual race with Harvard. Last year in this race Meagher did some wonderful running and overcame a lead of twenty yards, only to be beaten out at the tape by one foot, while he was still gaining ground on the Harvard man. The

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two-mile race is to be an inter-collegiate affair.

Will Run In Millrose Games
The following week, on February 9, the one-mile relay team will run in the Millrose game. Last year this was a triangular race, with teams from M. I. T., Syracuse and New York University. Syracuse won by six yards and N. Y. U. was a poor third.

If the team can repeat the good work done by last year's men the winter season will be very successful. Intensive training will be in order from now until the first meet. The men will have time trials for the team later on, and much time will be devoted to starts, fast work, and passing the baton.

The leading candidates for the freshman team are Beck, Ellis, Fleming, Gammons, Hall, Hallas, Osterman, Regan, Rogers, Wayne, and Wilson. From these men the coach will select a four-man relay team for the one-mile event.

Two Dual Meets For Frosh
Their first meet will be the B. A. A. games on February 2, when they will run in the mile relay. They also have two general meets scheduled to take place before the spring work begins. The first is with Brown freshmen at Providence on February (Continued on Page 4)



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OFFICIAL BULLETIN

FACULTY CLUB

Lecture in the Walker Memorial, Faculty Dining Room by: Mr. Frank E. Winsor A distinguished engineer, who is in charge of the work for the proposed extension of the Boston Metropolitan Water System December 3, 12 Noon Subject: The Boston Metropolitan Water System

WHITING CONCERTS 1928-1929 Season

The Whiting Concerts are to be held in Room 10-250 on the following Tuesday evenings:

December 4 February 19 January 15 March 5 March 26

BIOLOGY AND PUBLIC HEALTH

Sedgwick Biological Society meeting at 8:00 o'clock in the Emma Rogers Room, on Wednesday, December 5.

CIVIL ENGINEERING

A series of lectures by Kenneth C. Reynolds, Instructor in the Department of Civil Engineering, who has been studying in Germany under a John R. Freeman Traveling Fellowship, on "Laws of Hydraulic Similitude as Applied to Experiments with Models".

The lectures will be given in Room 1-150, Monday, December 3 at 2 P.M. and on Wednesday, December 5, at 3 P.M.

ECONOMICS

The following speaker will lecture before the class in Business Management in Room 1-190:

Mr. John J. Gillespie of the United Shoe Machinery Corporation December 7, 2 P.M.

Subject: "Production Control in the Shoe Industry."

ELECTRICAL ENGINEERING

A colloquium is to be presented by a member of the engineering staff of the Weston Electrical Instrument Company on "Scientific Problems connected with Electrical Measuring Instruments"

The colloquium will be held in Room 10-275 and will be conducted by

Mr. B. P. Romain December 3 and 4, 3-5 P.M.

The colloquium is open to members of the junior Honor groups, all seniors, graduate students and staff.

ALUMNI

Dedication of bas-relief of Mrs. Ellen H. Richards, Room 10-250; at 4 o'clock this afternoon.

CALENDAR

Monday, December 3 5:00—M. I. T. A. A. Meeting, Committee Room. 6:00—Women's Ind. Section, Massachusetts Safety Council, Faculty Dining Room. Tuesday, December 4 6:00—A. I. E. E. Dinner Meeting, Main Hall and North Hall. 6:15—Boston Geological Society Dinner Meeting, Faculty Dining Room. Wednesday, December 5 6:00—Corporation XV Dinner Meeting, Grill Room. 7:00—Mathematics Seminar, M-85, Faculty Dining Room. 7:30—Alpha Chi Sigma Business Meeting, West Lounge. Thursday, December 6 5:00—Institute Committee Meeting, Faculty Dining Room. 9:00—Interfraternity Dance, Louis XIV Ballroom, Hotel Somerset. Friday, December 7 6:00—A. I. E. E. Dinner and Lecture, Main Hall and North Hall. 9:30—Dorm Dance, North Hall. Saturday, December 8 8:00—Varsity and freshman Basketball, M. I. T. vs. Boston University, Hangar Gym.

NOTICES

GYM TEAM

There are openings for one Sophomore, and two freshmen assistants to the gym manager. Anyone inter-

London Man Gives Cool Tip Smokers Here

London, England 30th December, 1927

Larus & Pro. Co., Richmond, Va., U. S. A. Gentlemen:

As my Christmas present I purchased for myself a pound of your tobacco (L gewo t) in 1/2 lb. flat tins. This morning on the tram I met a man with whom I am only slightly acquainted, and filling my pipe produced your tin, at which he exclaimed: "I am not a pipe smoker, but occasionally I have a try in that direction and I consider that the tobacco in your hand is the finest made."

I am in entire agreement with his statement.

Yours faithfully,

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Speaker at Unveiling of Richards Memorial



William F. Nickerson '76

UNVEIL LIKENESS OF MRS. E. H. RICHARDS

Bas-Relief by Miss Bashka Paeff Presented by Alumni

(Continued from Page 1)

'94, Alice F. Blood '03, R. W. Gilbert, Lois L. Howe '90 Isabel F. Hyams '88, William R. Kales '92, Margaret E. Maltby '91, Eleanor Manning '06, George Truman Palmer '09, Dwight Porter, Lillie C. Smith '06, Alice L. Tyler, Willis R. Whitney '90 and Professor C. E. A. Winslow of Yale University.

Professor Augustus H. Gill will preside at the ceremony and among the speakers will be William E. Nickerson '76, Vice-President of the Gillette Safety Razor Company, Miss Alice F. Blood, one of her pupils, and Mr. James P. Munroe '82, Secretary of the Corporation, who was Mrs. Richards' counsellor in her community work for human conservation.

GRADUATE CHEMISTS HOLD FIRST MEETING

Holding its first meeting of the season, the Harvard Technology Chemical Society will gather at the American Academy of Arts and Sciences, 28 Newbury Street, Boston, next Tuesday evening at 8 o'clock.

Professor Walter C. Schumb of Technology will speak on "Inorganic Research at M. I. T." and will be followed by Dr. Robert B. Whitney of Harvard who will discuss the question: "How will Pressure Affect the Absorption Spectrum of Benzene?" The Harvard-Technology Chemical Society is composed of graduate students and staff members in the Chemical departments of both of these institutions.

RAPID PROGRESS IS BEING MADE ON LAB

Rapid progress is being made on the new Internal Combustion Engine Laboratory located behind the Guggenheim Aeronautical Building. At the present time the steel frame work has been entirely set up and riveting complete. The brick work has already begun, and inside of three weeks, barring unfavorable weather, the building will be entirely closed in. This building, which will be Building 13, forms a unit of Technology provided for in the original plans.

INTERCOLLEGIATE

No longer will the wail of the sax or the tinny strumming of the uke be heard in Cambridge, according to the New York Times. The English university has banned jazz instruments from the college halls. The students who live in diggings, that is—who are at the tender mercies of Cambridge landladies—may tinkle the timbrel and pluck the harp as long and as loud as they wish. Their brothers in residence will confine themselves to more genteel instruments, the piano and violin preferred. The argument is that most of the students in the college halls are last to say that the better trained, the more finely equipped our mothers are in mental capacity, in historical perspective, in constructive imagination, the better citizens our sons will become. Yet that is a truth that must constantly be hammered home to the public mind.

"We must gradually educate our public more fully on several important points, first: that the higher education for a woman does not mill-sense and pays handsomely; second: that women students are on the average more serious and more in earnest even than the youths in our colleges.

STEAM LAB ENGINE IS BEING IMPROVED

New Cylinder is Installed and Valve Gear Altered

Changes and improvements are being made on the Fitchburg Uniflow engine in the Steam Laboratory. For two years this engine has been used in the regular testing experiments carried on by students. Now it is desired to make an alteration in the valve gear, and the work is being undertaken by the Fitchburg Engine Company, original manufacturers of the engine.

The expansible type piston valve is being used for both the steam valve and for the auxiliary exhaust valve. It is intended to disconnect the auxiliary exhaust valve gear when the engine is operating condensing. To accomplish this a link is provided in the valve gear which may be easily removed. When the engine is operating non-condensing it is necessary to use the auxiliary exhaust valves in order to prevent excessive compression.

It is expected that the changes will be completed and the engine ready for class work very shortly.

CHI EPSILON ELECTS SEVEN NEW MEMBERS

Announcement has been made of the election of new members to the Technology chapter of Chi Epsilon, national civil engineering fraternity. Professor John B. Babcock '10, has been elected to honorary membership in the fraternity, and the undergraduates chosen are: Archibald W. Adkins '29, Theodore B. Appel, Jr., '29, Robert E. Frierson, '29, Lawrence C. Hamlin '29, John W. Walters '29, and Gordon R. Williams '29.

Members are chosen from the upper third of the Senior class in Civil Engineering, and must meet certain requirements in regard to scholarship, personality, and practicability. Initiation of the new men will be held at a banquet to be given early in December.

RUNNERS NOW USING WINTER BOARD TRACK

(Continued from Page 3)

16, and the other is Huntington School on the M. I. T. track February 27.

There will be a handicap meet on the board track before the winter relay season is under way. The probable date for this is December 15, so there is little time to be wasted in preparing for it. This will be the last handicap meet until after the winter games.

The freshmen are coming out three times a week for Physical Training and the absence of cuts is noticeable for the season thus far. There are ninety-three freshmen in all on the list who are substituting this sport. Coach Hedlund will look after these men especially and he plans to run some events for them alone in order to arouse their further interest and

"TECHNIQUE" CALLS FOR '31 CANDIDATES

Technique announces a new competition leading to positions on the staff, for those Sophomores who show the necessary industry and aptitude. The staff members elected in this competition will be eligible for election to the Junior Board this Spring. Sophomores interested in this competition should visit the Technique office Thursday at 4 o'clock when they will be instructed as to their duties and will be assigned work which will test their ability in the college yearbook field. No previous experience is necessary in this work.

Fourth Concert Of Series Takes Place Tomorrow

Prominent Interpreter of Modern Music Will Explain All Pieces Played

(Continued from Page 1)

harpichord, a fifteenth century instrument, to give a better interpretation of the music of Handel, Campra, Haydn, and other composers. This year Mr. Whiting will be aided by Miss Flora Collins, Soprano, and Mr. George Barrere, one of the leading flutists in the country. The second of these concerts will be given on Tuesday, January 15, in the same place and at the same hour.

The Program

Mr. Whiting's concert for tomorrow night consists of the following musical numbers:

- Flute and Harpichord Handel—Sonata, B minor I. Largo-Vivace II. Presto III. Adagio-Gavotta Soprano Campra—Charming Butterfly Haydn—My Mother Bids Me Bind My Hair —Mermaid's Song Harpichord Scarlatti—Sonata, D minor —Sonata, B flat major —Siciliana, F major —Sonata, F minor Flute and Harpichord Rameau—Dances from Les Fetes de l'Hymen — Tambourin — Sarabande — Passepie — Contradanse en Rondeau Soprano Old French —Quand je menais mes chevaux boire —Il etait une bergere —Disons le Chapelet —L'etat des filles (with Flute) —Le Chateau d'Amour —Les trois Capitaines

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