

CONTINUANCE OF TECH SHOW VOTED

Institute Committee Decides Show To Continue; Provides Against Deficit

That Tech Show is to continue, was decided by the Institute Committee at its meeting on December 20, provided that the organization incurs no debts until February 15, and places in the hands of the Institute Committee a bond of \$300 against a possible deficit.

The age-old tradition of having the show on the same night as the Junior Prom has passed into the discard, the dates of the show being set for March 15, 16, and 18, while the Prom night is the 17th. It was the custom in the past for all those who went to the Prom to go to Tech Show.

Several members of the Committee, fearing the recurrence of financial difficulties which occurred two years ago, were against the continuance of the activity. During the meeting the subject was discussed, objections being raised by some of the members of the Executive Committee. Paul Lappé, '33, the present manager of the Tech Show stated that the show was on a sound financial basis and that he saw no reason why it should not be continued. Several other men also felt that sanction should be granted for the show to continue. The final vote was in favor of its continuance.

Much profitable work already has
(Continued on page four)

PARTS OF TECH SHOW DISTRIBUTED TODAY

Parts for the Tech Show will be distributed to members of the cast today and tomorrow at the office of Professor Greene, Room 2-178. Men on the cast are urged to obtain their parts as soon as possible in order that they may learn their lines for the first rehearsal which will be held shortly.

There is still an opportunity for a few men who are interested in learning dancing under competent professional instruction, as the dance group for the show still has a few vacancies.

Institute Exhibits New Scientific Machines at Meeting of Scientists

Electrostatic Generator, Cosmic Ray Appliances and Others Shown

Scientific apparatus representing important research developments at the Institute was exhibited at the meeting of the American Association for the Advancement of Science at Atlantic City last week.

Included in the exhibit was a new model of the electrostatic generator designed by Dr. R. J. Van de Graaff; a device for studying light; the instruments used by Dr. R. D. Bennett in the survey of cosmic rays; an instrument for accurately measuring pressures; the mercury-arc stroboscope designed by Dr. Harold E. Edgerton, and instruments used for biological studies. The exhibit was in charge of Dr. Bennett, Dr. Edgerton of the department of electrical engineering, and E. H. Bramhall, research associate of the department of physics.

A scientific paper on the electrostatic generator designed by Dr. Van de Graaff was presented jointly by President Karl T. Compton, Dr. Robert J. Van de Graaff, and Lester C. Van Atta of the department of physics, at a session of the American Physical Society, which meets as a section of the association. Dr. Louis B. Slichter of the department of geology presented a paper dealing with geological problems.

DR. COMPTON WILL ADDRESS GATHERING

President Karl T. Compton will address the Sunday Evening Club of the Central Church in Newtonville next Sunday at eight o'clock. Technology men and their friends are invited to come and hear the talk in which Dr. Compton will discuss "Some Proposals for Stabilizing Employment."

Abolish Publicity Committee on Plea Of Its President

Institute Committee Sanctions Hiring of Non-Student Musicians

That functions of the Undergraduate Publicity Committee are adequately handled by news organs outside it was decided at the meeting of the Institute Committee yesterday. A letter from Walter C. Backus, '33, the president of the Publicity Committee urging the dissolving of that organization was read by the secretary of the Institute Committee, and the motion was passed that the committee be dissolved.

It was agreed by several men who entered into the discussion that the metropolitan newspapers secure all the information they want about the Institute, and that the undergraduate activities get their publicity through their own departments. In the letter read by the secretary, Backus stated that alumni had shown little or no interest in the organization.

Sanction Professional Musicians

Omar H. Somers, '33, acting as proxy for John Streng, '33, presented a matter of importance to the Instrumental Club, the question of hiring outside talent in one of the free Sunday concerts to be given on April 2, by the Instrumental Club. He stated in a report that since there are no instruments in the club such as the bassoon and the horn, it is desirable in the case of these concerts to hire musicians outside the Institute who can play these instruments. The men-
(Continued on page four)

Corporation Elects New Life Members

President Compton Reports That Guarded Expenditures Protect Budget

Charles Neave, prominent lawyer, and Franklin A. Park, manufacturer, both of New York City, were elected life members of the corporation of the Institute at its meeting last Wednesday afternoon, it was announced by President Karl T. Compton.

Mr. Neave holds degrees from Technology, Yale and Harvard Universities. Following his graduation from Harvard Law School in 1892, he was admitted to the bar in Suffolk County, Massachusetts, and joined the firm of Fish, Richardson and Storow in Boston. He went to the firm's New York office in 1895, and two years later was admitted to the bar in New York.

Studied Electrical Engineering

Although he graduated from Technology in 1890 as an electrical engineer, Mr. Neave chose law for his life's work. He is a member of the Bar of the Supreme Court of the United States and many other courts. He is vice-president of the Association of the Bar in New York City, a member of the New York Patent Law Association, the American Bar Association, and the Bar Association of the City of Boston. He is now a member of the firm of Fish, Richardson and Neave in New York.

Mr. Park, who is vice-president of the Singer Manufacturing Company, graduated from the Institute as a mechanical engineer in 1895. He joined the Singer Manufacturing Company at South Bend, Indiana, the following year and remained there until 1901, when he was appointed manager.
(Continued on page four)

Three Orchestras Entertain T.C.A. Tonight

Entertainment at T.C.A. Dance

A depreciable will be featured in Walker's on tonight by the three Technology orchestras, the Technicians, the Ramblers, and the Aristocrats, and the Technology Christian association. The dance will last from 9 until 2.

Depression prices will prevail: stags: 99c marked down from \$1.00, and \$1.49 per couple. Old clothes will be in vogue, and a prize is to be given to the dancer having the most "depressing" costume. The chaperones will be Mrs. James R. Jack, Mr. and Mrs. Horace S. Ford, Prof. and Mrs. Lester F. Hamilton, Mr. and Mrs. Penell N. Aborn, and Mr. and Mrs. Wallace M. Ross.

As is well known by this time the T. C. A. budget called for \$4500 to be collected. Of this amount \$3200 was subscribed. The Tech-in-Turkey project was repealed by a vote of the advisory board, cutting \$1000 off the budget, but still leaving a deficit of \$300. The "Depression Dance" is aimed to remove this deficit. All money taken in will go to the T. C. A.

The three orchestras are donating their services free of charge and will play in rotation. At the close of the evening a ballot will be taken to determine which orchestra gave the best performance for the patrons. Tickets may be obtained in the main lobby, the T. C. A. office, and the dorm office, and will also be sold at the door.

William E. Rand, '33, Russell Hastings, Jr., '34, and Peter G. Grant, '35, are in charge of the entertainment.

Hookah Appears In Chem. Lab; Flask Talks Turkey

Shades of Sinbad! Erlenmeyer flasks talked Turkey yesterday when an enterprising Quantitative Analyst constructed a hookah under the tutelage of interested classmates.

The occasion was one of the tedious afternoon hours when ammonium chloride billows in heavy waves and bunsen burners flicker dimly through the laboratory. The disciple of Lady Nicotine felt the familiar coils closing around him, and drew out his trusty firebox when a light appeared to one of his neighbors. A conference ensued, after which the pipe was filled and attached to one of two outlets of an Erlenmeyer, which was partly filled with water. The other went through tangled coils of rubber, to appear in the chemist's mouth. A true Turkish atmosphere (slightly tinged with burnt rubber) gradually encircled the bench as the chemist puffed contentedly at the tube drooping from his mouth.

YALE BEATS TECH IN HOCKEY CLASH

Hockey Team Plays Northeastern Tonight; Huskies Favorite But Good Game Expected

Tonight the Hockey team in its game with Northeastern at the Arena, will make a determined effort to break into the win column. So far this season they have been defeated four times, but these defeats have come from teams which rank with the best college teams in the world. Northeastern will be the favorite but the way in which our team has been defeated lately has put the stick-handlers in such a frame of mind, that our chances of winning are good.

Yale Beats Too Good a Team

Wednesday night they played Yale at New Haven and were defeated 9 to 0. The Engineers, although they put up a hard battle, were out-classed throughout. This, however, was to be expected, for Yale has one of the best amateur teams in the East. The Bulldogs scored three goals in the first period, four in the second, and two in the final. Williams, Thompson, and Daly were the outstanding members of our team.

Yale punctured the net in less than two minutes after play started, when Symonds scored from a scramble in front of the Engineers' goal. He tallied a second goal for the Elis six minutes later, splitting the defense
(Continued on page three)

READ THIS OR PAY FIVE DOLLARS FINE

Registration material for the second term may be obtained today as follows:

First-year Students Except Course IV
Material will be given out in the Chemistry 5.01 Laboratory sections. Those not taking Chemistry 5.01 may obtain material at Mr. Pitre's Office, Room 4-255.

Other Students

Course IV and IV-A upper years should be obtained from Professor Emerson in the Rogers Building. Course VI-A obtain from Professor Wildes, Room 4-205. Other courses obtain material in Main Lobby until 1 p. m. After 1 p. m. material may be secured in the Information Office.

Registration material must be returned to Room 3-106 not later than 1 p. m., Friday, January 13, to avoid the fine of \$5.00.

LEE GIVES TALK TODAY AS SECOND ALDRED LECTURER

Pioneer In Public Relations To Speak On "The Outlook For Railroads"

HAS WRITTEN ON RUSSIA

Mr. Ivy L. Lee, one of the pioneers in the field of modern public relations, will give an address on "The Outlook for the Railroads" as the second in the series of Aldred Lectures, at 3 o'clock today in Room 10-250. His counsel has long been sought by the greatest industries in the country, and his efforts in interpreting their purposes and policies to the public have resulted in far-reaching benefits for the industry and the consumer.

The value of public good will and support for progress and success in business and industry, in education and various other public enterprises has long been recognized. Until recent years, however, no intelligent methods had been developed for meeting the complex problems of industrial and commercial intercourse with the public. A knowledge of public relations is increasingly necessary for
(Continued on page four)

Junior Promenade Is Scheduled For Middle of March

An Old Tradition Preserved Although Price Is Down To Eight Dollars

With the price per couple lowered to eight dollars, the Junior Prom is scheduled to come on March 17 in the Main Hall of Walker Memorial. It will commence with music at 6:00 o'clock, during the progress of which dancing will be offered. At eight o'clock an interval will take place, lasting until 11 or 11:30 o'clock. This interval will allow the guests to attend theatre performances.

In spite of the reduction in price, the more important traditions of favors for the ladies, elaborate decorations, and two orchestras, will not be omitted. Those who plan to attend may sign up in the Main Lobby at the beginning of the second term.

SENIORS TO ATTEND CLASS DANCE GRATIS

Funds From Class Treasury To Cover Expenses

Friday the 13th is the date that has been chosen by the Senior dance committee to hold the Senior formal dance. This annual affair is for Seniors only who may attend at the expense of the class treasury. To forestall any plans of crashing, tickets will not be available at the door but must be obtained in the main lobby on Thursday from 11 to 2 o'clock.

The site of the dance will again be the Walker Memorial and the music will be furnished by Sammy Liner's orchestra. Because the dance is an exclusive affair and the admission is free, the graduating class looks forward to it with interest. Last year over two hundred tickets were distributed and this number is expected to be exceeded this year.

The chaperones for the event will include Professor and Mrs. Leicester Hamilton, Dean Harold E. Lobdell, Mrs. Katherine M. Wiswall, Professor and Mrs. James R. Jack, Bursar and Mrs. Horace S. Ford and Mr. and Mrs. Wallace M. Ross.

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

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A happy New Year having been wished us by all and sundry who didn't know what was good for them we wish to warn any future would-be well-doers that all sorts of terrible happenings will occur the world over before another year comes in on a hang-over. Babies will die, screaming in the night, great blind bats will suck the blood of other victims, and maybe even you will get a sock in the jaw. Well, Happy New Year!

Relative to nothing at all we have more bright sayings from the intelligentsia from that super-saturated abode of the intellect, Radcliffe.

Our friend's friend, it so happens, firmly believes that the reason Bostonians are so formal, is that they are frozen stiff.

Brother Johnston, Edward Douglas Johnston, if we must deal in personalities, has a nice shiny new Ford Eight, the glory and splendour of which cannot be exceeded within the realms of this Institute which is one of the reasons why he is so proud of it.

But let us tell you more. Brother Johnston went gaily to Alabama in this glorious vehicle, and it was while en route that he noticed something wrong with the functioning of his pride and joy. It simply would not pick up above fifty-five miles an hour. In spite of all, nothing seemed to be wrong as he swept his eagle eye swiftly over the assorted gadgets which litter the dashboard. Nor was the brake on.

It came, therefore, as somewhat of a shock when he discovered, a few miles later, that he had neglected to shift from second to high. In spite of this, however, we hear that he has secured a job, we mean position, after graduation, but we still don't believe it.

Brother Brown, the well-known "Kensy" to whom we introduced you, gentle reader, some weeks past, came home from the Tech Show tryouts all agog, not to say awit.

After the preliminary adjustments, milling about, and other suitable gestures always made at such gatherings, he finally made known his ambitions, and so was duly incorporated, tentatively, at least.

His attention wandering, he heard someone say "Address?" and replied gracefully and naturally, "Yes". There came the query again, "Address?" and again the answer, "Yes". The inquisitor fixed him with an aggrieved and indignant eye, softly and dangerously asking just what kind of a game he was playing.

This woke to sensibility our hero, who then realized that they wished to know where he lived and not if he would like a female part.

We view with compassion the spectacle just seen by some unwitting observer during the past holidays. It was that of one otherwise strong and upstanding freshman, wearing his uniform so the folks could take a picture of the little man, all decked out in his finery. Some one has inquired whether or not the sage and senile Senate might not be prevailed upon to allow the Army to loan guns for just such an occasion. Employment for the Lady's Aid and photographers, no doubt.

In closing, we pause only long enough to remark on the sign displayed in Walton's window, evidently meant to lure the prospective customer inwards by subtle, psychological appeal.

The passage which sticks in our mind reads something about, "Food suggestive of green pastures and fertile meadows . . ." This may be subtle and highly psychological, but hardly appealing, at least to a mind trained to think back to first causes.

THE EDITORIAL SPECULUM

Socialism

Being of the common garden variety of parisitum capitalisticum, it does well become us to pretend that our views on some aspects of Socialism are entirely unprejudiced. In spite of all this, or perhaps because of it, an attempt shall be made to comment on a recent communication from the League for Industrial Democracy, an educational organization for Socialism. Incidentally we notice on the letterhead the name of an eminent thinker, Mr. Norman Thomas, who does not seem to fit very well into our picture of Socialism.

The communication stated that during the Thanksgiving holidays 613 young students and workers took part in a United Youth Conference Against War. This "representative body" after much heated debate accomplished many things, among which were the following.

To quote the release from the League, "By an overwhelming majority capitalism was condemned as the root of all conflict, not only between nations but also between classes."

Muck-raking of this class distinction idea does not seem very advisable. People cannot be classified in herds, as are cattle; they are primarily individuals; and when one sets out to tell an unfortunately uneducated poor man that his condition has been caused by another who is in possession of greater material wealth, then he is rushing in where even angels fear to tread. If all the people who are now attempting to arouse trouble among the unfortunate put this same energy into bettering the lot of these same individuals, how much ameliorated their state would be!

After the Conference a delegation was selected to present the decisions made to the State Department. This delegation, headed by Robert Cullum, an unemployed Ford worker, was instructed among other things, as the League says, "to urge the Senate and House Committees on Military Affairs to use their influence in transferring funds now allocated for military expenditure to unemployment relief."

This action has set loose upon the Capitol another group of lobbyists, whose methods of trying to influence legislation has been so often justly condemned.

Considering the entire communication, it appears that the actions of the Conference rather belie the spirit of true American youth. Let us have more action in the right direction and fewer words in the wrong.

Class distinction, like the forgotten man, is a myth. When people get together and put away all ideas of social privilege then the world will enter a new era of peace and prosperity.

As We See The Movies

FINE ARTS THEATRE

Frustration of the best in an actor is found in *Le Bal*, French talking and singing film now at the Fine Arts. Remarkable acting by Andre Lefaur and Marguerite Pierry is suppressed by inferior directing and photography. They are supported mainly by Germaine Dermoz an actress whose work is slightly reminiscent of Pearl White and Desperate Dan.

The music is fair but one selection *C'est le Dimanche* is very clever and with proper treatment might even have been good.

The simple stereotyped plot concerns Alfred (Lefaur), his wife Jeanne (Mme. Dermoz), and their daughter, Antoinette (Mlle. Danielle Darrieux) who come into sudden wealth.

This wealth goes to their heads and they indulge in an orgy of a palatial home, jewels, and other things which they can now afford.

After attending a ball the idea of giving one themselves is one which they cannot resist and accordingly they plan which will be more colorful than all others in hope that they can break into Society this way.

Open Forum

In opening its columns to letters addressed to the Editor, THE TECH does not guarantee publication of any communication nor does it necessarily endorse the opinions expressed. Letters on subjects of interest to the student body are welcome if signed. However, if the writer so desires, only the initials will appear on publication.

Pet Poisons

To the Editor of THE TECH:
I notice in THE TECH, December 9, a cigarette advertisement, in which an apparently healthy young woman is shown with the hand displaying a cigarette supported by a cane, so that it might be steady enough to make a good photograph. That illustrates the natural reaction from the temporary effect of the commonest of all pet poisons. Tobacco has a tempting effect of soothing the nerves, but a reaction of nervous excitement. To a healthy beginner, in the natural vigor of youth, these effects are so slight, that any alarm about them seems foolish, but with a continued habit they are cumulative, and in a longer or shorter time, according to the frequency of indulgence, unsteady nerves become a regular thing in spite of attempted soothing by more tobacco. Notice the trembling hand of the not very old smoker, when he is off his guard without his smoke. These outward symptoms are not the worst of it; unsteady nerves impair the reliability of all the functions of body and brain, reducing the natural resistance to organic disease, as well as the vigor of thought.

Alcohol has a similar reaction from the temporary stimulation caused by the effort of the system to throw off the poison, followed by a depression from nervous fatigue.

Similar, though milder reactions come from the use of the milder poisons of coffee, tea, and meat.

In 1917 Denmark was deprived by the war blockade of her usual imports of stimulating foods and drinks, and in order to save enough of the domestic production of grain and vegetable foods for the life of the people, found it necessary to slaughter 80% of all hogs, and 34% of cattle, saving only enough cattle to supply dairy products for home use, less the amounts of these usually exported. Use of grain for production of alcohol was also stopped. The result surprised most of her medical men, by reducing the mortality rate, in the course of a year, to the lowest ever known anywhere, 10.4 per 1000, and when in a following year, all Europe was ravaged by an epidemic of flu. Denmark was the only country whose death rate was no higher than before the war.

Santa Barbara, Cal.
J. B. HENCK, '76,

A last minute hitch prevents the invitations from being delivered and "mama" and "papa" wait futilely for the non-appearing guests.

Disillusionment bring the family to normalcy once more and the meller-drammer ends happily.

Throughout the picture Cousin Isabelle (Mme. Pierry) livens the action by her witty comments and antics.

Mlle. Danielle Darrieux as the daughter captivates the audience with her naive beauty, the real thing.

There is also on the program a short singing Featurette "The Idol of Seville" whose only claim to mention lies in the fact that it was also heard.

R. D. M., Jr.

CALVIN COOLIDGE

AS time passes, so also must men pass; and even the great man must reach the end of the road with his fellow men. Death is the final resting place and each must find in it the true estimate of his life's value. Clamor and calumny cannot alter the fact that Calvin Coolidge was a great president, and neither will they prevent the American people from awarding a great president his due honors. Coolidge served his country well and long. He was president for six years of prosperity the like of which the nation had never seen before. Coolidge's whole record is one of credit, with nothing to mar its perfection. And it is with regret that we mark his passing.

MAYBE, EH WHAT?

BELIEVE it or not, as one of the popular newspaper features has it, there are more commuters at Technology than there are dormitory and fraternity men combined. There are more than 1100 men in this group, if we include all those whose term and home addresses are the same. They come daily from as close as Cambridge and as far as Newburyport and Providence. Between these two extremes are great numbers of men who come to Cambridge by train, leave school when classes are finished, and return to classes again tomorrow.

With the disadvantage of having to spend considerable time in getting to and from school a large number of us are missing some of the best parts of our college days. Those of us who can reach the Institute buildings in a half hour or so have the time to spend in making contacts with fellow students, in meeting members of the staff through various means, in taking part in many student activities beyond the usual classes. Those who have been forced to leave immediately after classes have missed this, they miss even the contact with fellow students.

Here is a large portion of the student body almost forced, under the present student activity system, to take no part in extra-curricular work. Would it not be possible for some contacts to be made at noon? Perhaps a luncheon club, perhaps just a meeting place.

OUR FORTUNATE CONSERVATISM

TECHNOLOGY is indeed fortunate in having the financial system for the support of its athletics as it is. While some schools have been forced to drop freshman games except in a few major sports, to discontinue certain minor sports entirely, to "borrow" automobiles from the student body so that teams can make trips, to travel by bus as an economy measure, and to resort to other expedients to meet radically reduced incomes, we are able to continue our athletics just as in previous years. Economies have been necessary in some ways, but a wholesale curtailment of activities is not forced upon us.

In years gone by when certain schools were taking in fabulous sums as gate receipts from football and were supporting all sports on the proceeds of the fall sport, we were able to maintain a dignified place in the inter-collegiate world without extravagant expenditures, and now when some schools are forced to retrench radically we can continue our gradual growth and maintain our position. It has always been the policy of the Institute to have its athletic teams stand solidly back of every contract they have made. We are able to continue that policy at this time while others may be forced to depart from it.

Technology athletics are different from those elsewhere. We do not have great teams of stars, yet our teams are respected everywhere. Our men are recognized as playing the cleanest kind of games. We have a reputation for standing for the highest type of sportsmanship, and it is altogether fitting that accompanying this reputation should be the record of continued athletic activity. That our system for financing athletics permits us to do so is something of which we can well be proud.

We cannot pass this opportunity to express our gratitude to the advisory Council on Athletics, headed by Dr. John A. Rockwell, '96, for their efforts through the years which now make it possible for us to continue our program unhampered by financial stringency which is undoubtedly causing embarrassment to institutions forced to curtail athletics at this time.

Boit, Dalton, Church & Hamilton
89 Broad Street
Boston

INSURANCE OF ALL KINDS

BASKETBALL TEAM TAKES TWO GAMES BY CLOSE MARGINS

Triumphs Over Union and Rhode Island After Loss To Clarkson Tech

FACES BROWN TOMORROW

Technology's promising basketball team broke its winning streak on the home floor and then came back to take two well-fought games just before the Christmas vacation. In the first game the cagers lost to Clarkson Tech in the last few minutes of play, 45-41, and then defeated Rhode Island State 40-33 and Union College 38-36. The next game is to be held this Saturday at Brown, from whom the Engineers won last year by a sixteen-point margin.

All three games were exceedingly close, as the score would indicate, and in all of them the team showed plenty of spirit and fight. In the Clarkson and Rhode Island games, the team was behind at the end of the first half and managed to tie the score, while in the Union game it had to put up a hard fight to stave off a brilliant rally by the opponents in the closing minutes of play.

The Clarkson game was perhaps the most interesting of the three to watch. From the start the Clarkson team, which won four games from as many Greater Boston teams, led in the scoring. After about ten minutes of play, in which the Engineers played a brilliant defensive game but to no avail, Coach McCarthy observed that Co-captain Adam Sysko appeared to be in bad shape; when the latter was withdrawn, it was discovered that he had a high fever. He was promptly shipped over to the infirmary and subsequently did not see any action until in the last part of the Union game. The team continued to play about the same brand of ball, and at the end of the half the score was 27-14 in Clarkson's favor.

After the intermission the Engineers seemed inspired with new life, and they slowly began cutting down the Clarkson lead, with Feustel and O'Brien doing most of the scoring. At last, with forty seconds left to play, Technology tied the score at 41-all. Clarkson then sent in Phil Ryan, a long shot expert, and he promptly sank a shot from just inside the center line. Just as the whistle was blowing, Clarkson scored again from under the basket to end the game four points in the lead.

In the Rhode Island State game, the Engineers started by caging a number of field goals for an early lead. The

opponents soon came to life, however, and tied the score. From then on it was a tight battle, with the lead changing hands on practically every shot. Rhode Island led at the half 20-19.

The second half was very much like the first, being marked by frequent fouling on the part of both teams. The Engineers, however, had much greater success than their opponents with the free throws, for they sank sixteen out of a possible twenty-three. Finally, with about three minutes to play Technology forged ahead on three field goals and a successful free throw to win by a comfortable margin of 40-33.

The Union game strongly resembled that with Clarkson except that the Engineers were in a reversed position. They started out by getting a considerable lead, and by the intermission the score was 20-11 in their favor. The Union team, however, showing some excellent pass work, managed to nearly tie the score. At 37-36 in the Engineers' favor and with nearly three minutes to play, Co-captain Feustel sank a free throw for the last tally of the game. Although the Union team tried desperately to score, but the impenetrable defense of the Beavers was too much for them.

The Brown game, to be played this Saturday at Providence, should result in another victory for Technology if

the present indications are carried out. Last year Brown was overwhelmed to the score of 42-26; and although this year's team has a reputation as being very good, having been barely nosed out by a strong Tufts outfit, the record of the Engineers gives them an edge in the pre-game opinions.

Before the Varsity game the freshmen of the two schools will play. The Technology freshmen have played only one game to date, with Rhode Island State, in which they lost 63-37.

YALE BEATS TECH IN HOCKEY CLASH

(Continued from page one)

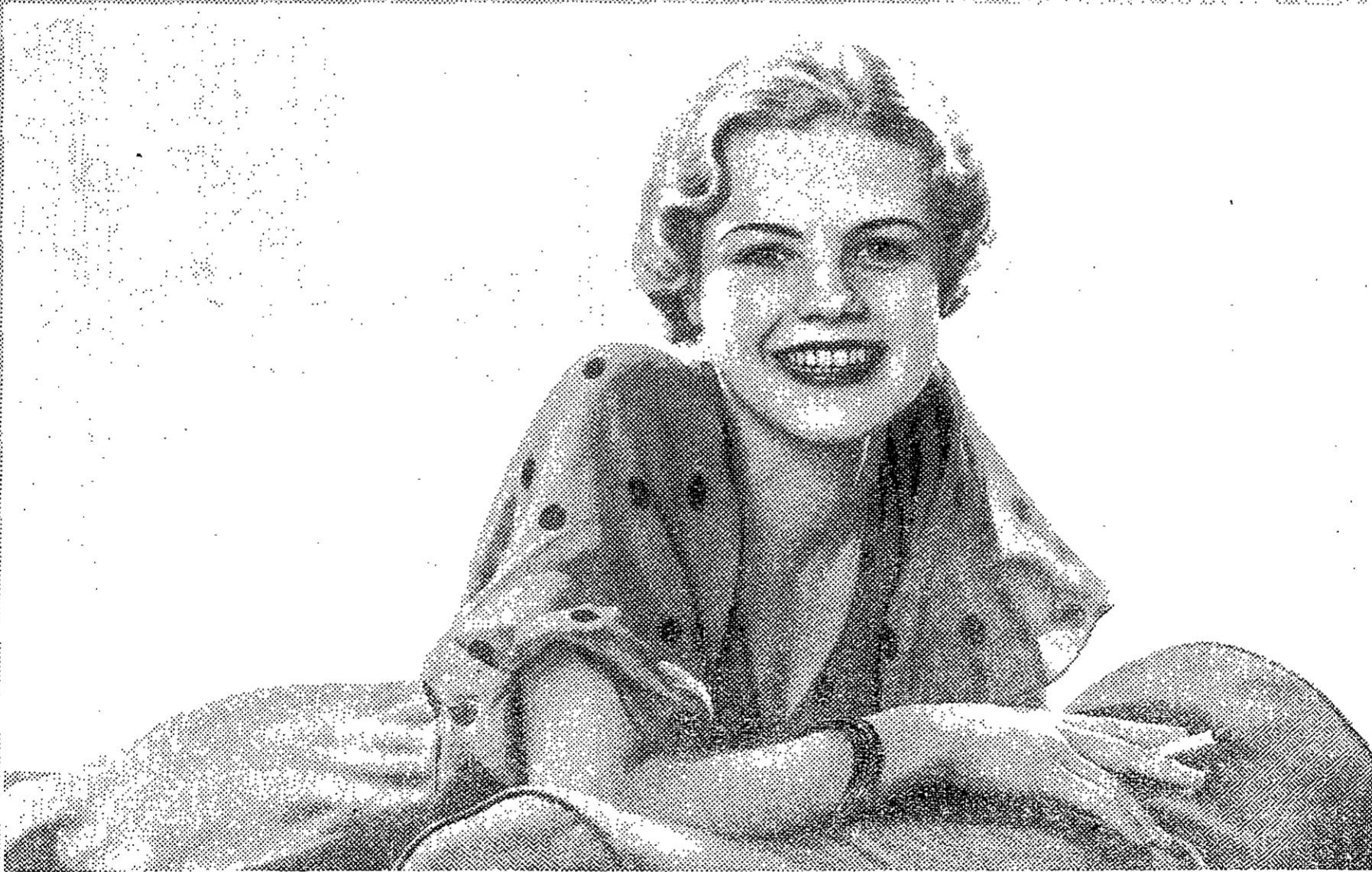
to take a pass from Wilmerding a few feet in front of Milliken and then rifling a shot past the goalie who did not have a chance to make a save. The third Yale tally was produced by Robson, who soloed along the left lane to take a pass from Gilligan and score from a sharp angle. Williams,

Thompson, and Daly gave Townshend some mighty uncomfortable minutes during the period, but he managed to save all shots that came his way.

The Elis forced the attack for the opening five minutes of the second period and it was only the miraculous work on the part of Milliken which saved a complete rout, however, the Blues did manage to sink one goal during this time. Thompson and Williams then each had some shots at the Yale goal, but with no success. This was followed by unassisted goals on the part of Fawcett and Robson of Yale and before the period was over another Yale goal was scored by Gilligan thus bringing the Elis's total to seven.

In a drab final period Harvey McClintock and Larry Bogart added two goals to Yale's total and thus completing the whitewash. Throughout the period Milliken was bombarded from all angles and again he played the part of the miracle man to stop the Blue's increasing the score.

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CALENDAR

Friday, January 6

12:00 Noon — Faculty Club Luncheon, Walker Memorial.
 3:00 P. M. — Aldred Lecture, Ivy L. Lee. Subject: "The Outlook for Railroads", in Room 10-250.
 6:00 P. M. — Dinner for American Society of Steel Treasures, North Hall of Walker Memorial.

Monday, January 9

12:15 P. M. — Y. M. C. A. Members of the T. C. A. Luncheon, North Hall, Walker Memorial.

BOOKS FOR SALE AT T. C. A. FOR 10 AND 25c

The T. C. A. has fifty or more books on hand for which there is no longer a demand at the Institute. The owners were notified that if these volumes were not called for or requested in one month they would be given to the American Library Association or disposed of by other means. Many of these books are now on sale at the T. C. A. office; those formerly listed at more than \$1.00 are being sold for 25c, and those listed at less than \$1.00 for 10c. These books were formerly in use at the Institute, but are now more or less obsolete. They will, however, make excellent reference books, according to Wallace M. Ross, General Secretary of the T. C. A. Those which are not sold immediately will be given to the American Library Association to be placed on coastwise vessels.

IVY L. LEE IS SECOND OF ALDRED LECTURERS

(Continued from page one)
 engineers, the success of many of whose undertakings depends upon public understanding and cooperation.

To Discuss Railroad Situation
 Mr. Lee is an adviser to the Pennsylvania Railroad, and other large

corporations. His work in the field of railroads is an excellent example of the vital problem of public relations, for in his lecture he will discuss the critical situation now confronting the great railway systems as a result of the depression, and the rapid growth of competitive means of transportation by air, highway, and water.

A native of Georgia, Mr. Lee was graduated from Princeton University in 1898, and for several years was engaged in newspaper work in New York. His career as public relations counsel started in 1906 as press representative of the anthracite coal operators, the Pennsylvania Railroad, and other industrial interests. For a year he headed the Pennsylvania's publicity bureau, leaving that post to accept the management of the European banking interests of Harris, Winthrop and Company.

Has Worked With Large Firms
 From 1912 to 1914 Mr. Lee served as executive assistant of the Pennsylvania, and the following year joined the personal advisory staff of John D. Rockefeller. He has also served as adviser in public relations to the Bethlehem Steel Company. During the war, he acted as assistant to the chairman of the Red Cross War Council.

Mr. Lee is a member of the American Economic Association, the New York Chamber of Commerce, the

CONTINUANCE OF TECH SHOW VOTED

(Continued from page one)

been done on the activity, and the present aspect of the coming presentation points toward a successful performance, Lappé states. No attempt will be made, he said, to put on a Broadway musical comedy; on the contrary to present a distinctive type of show within the scope and ability of Technology undergraduates is its purpose. Professor F. A. Magoun, commenting on the Tech Show said that instead of putting on a third-rate imitation of a Broadway musical comedy, it should be a first-rate college performance.

THE TECH Will Pay Ten Cents For Back Copies

Ten cents will be paid by the management of THE TECH for copies of the issue of September 26, 1932, which are missing from the files. Any readers who have these copies may bring them to the business office of the publication in Room 302 on the third floor of Walker Memorial. THE TECH will appreciate assistance which is rendered concerning this matter.

TWO MEN ARE ELECTED CORPORATION MEMBERS

(Continued from page one)

er of the company's interests in Scotland.

Mr. Park is president of the Safe Deposit Company of New York, and is associated with various industrial interests. He is a member of the American Society of Mechanical Engineers, and the Society of Antiquaries of Scotland. He is a member of the Woods Hole Golf Club and the Helensburgh Golf Club of Scotland.

Technology Budget Is Balanced

At the meeting of the corporation, President Compton reported that by carefully guarding expenditures, Technology's budget remains balanced, and the reserve fund, recently announced, is being accumulated from 10 per cent contributions from the salaries of all members of the staff and employees to meet any deficit that might come as a result of further decreases in income during the fiscal year.

Resolutions on the recent death of Mr. John R. Freeman, who was a life member of the corporation, were prepared by Mr. Charles T. Main and Dr. Calvin W. Rice and presented at the meeting.

American Committee of the International Chamber of Commerce, the English-Speaking Union, and the American Council Institute of Pacific Relations. He is a Fellow of the Royal Economic Society and the Royal Geographic Society.

Mr. Lee is the author of several books, among them "Human Nature and Railroads", "Present Day Russia", and "Publicity — Some Things It is and is Not". In the latter volume he defines publicity as everything involved in the expression of an idea or an institution, including the policy or the idea expressed. One of the first requisites for successful publicity, he declares, is the formulation of a company's policies as far as possible in accord with public sentiment.

Technology Review Contains Article By Vannevar Bush

"Inscrutable Thirties" Smiled At In January Issue

Technology Review marked the New Year by keeping up to its usual high standard, and further by being unusual in several respects. It contains a humorous article of the temper and reserve suitable to the Review; also sufficient technical matter to satisfy the rabid Technologist. The cover, however, is monotonous and uninteresting. It is composed of a steel framework framed by a bare tree. The photograph has neither center of interest nor vitality.

Vannevar Bush, vice president of Technology, writes on "The Inscrutable Thirties", humorous reflections on the crudities endured by the professor of the present decade. These, for instance, were the "14 separate motions" necessary to get an auto to full speed, the clothing which was "put on in layers, and, while the lower layer was periodically washed, the other layers were often worn practically continuously until they disintegrated", the telephone procedure, in which one would "hold one gadget to his ear and another to his mouth, and entangled in connecting wires, proceed to talk." The article is valuable in that it implies the possibilities for improvement of our present developments.

John Burchard, who is well known for the research work he has conducted in the field of housing, writes an article examining the six basic methods that have been developed for the production of better houses cheap.

Another interesting piece of work is on "The Origin of the Lathe," by L. L. Thwing, connected with the New York Museum of Science and Industry. There are several reproductions of old illustrations of the history of the lathe.

"Trend of Affairs" include "Gens that Harden Copper", "Infra-red's Artful Aid", "Grains of Glass", "Rays of Hope in the Arctic", "Engineering in Italy".

"The Institute Gazette" contains a statement of Dr. Allan W. Rowe concerning Technology athletics, in which the need for a new athletic center is outlined. There is also a photograph with an interesting revelation, taken by the Edgerton high-speed camera; lastly, class news reveals a pickup in the employment situation. On the whole the issue is unusually well balanced, giving the professional impression characteristic in the Review.

H. S. M.

PUBLICITY COMMITTEE IS DISCONTINUED

(Continued from page one)

bers of the club are heartily in favor of this move, the report stated, and George Hoyen, the coach, who has been influential in making the club concerts a success, feels that it is a good idea.

The Instrumental Club will take financial responsibility in this matter, Somers declared. While it has been the policy of all the undergraduate activities to be strictly "undergraduate," he said, it is believed that an exception should be made in this case. The discussion which followed was principally in favor of the motion being passed, and mention was made that other universities have hired outside talent. Edward Wemple, '33, spoke in favor of sanctioning the proposal, and the motion was subsequently passed that the club be allowed to have non-undergraduate talent in the concert on April second.

The motions were also passed that the Senior Week elections be held February 15, nominations being due the 9 and 10th, and that the music club concerts be held March 19 and April 2.

RAND ELECTED HEAD OF T. C. A. DIVISION

William E. Rand, '33, has been elected director of the Religious Wor Department of the T. C. A. This division includes boys' work, deputations, Church relations, Tech in Turkey, foreign students, and conferences. This appointment automatically makes him a member of the executive committee of the T. C. A., composed of the heads of the three divisions, the three officers, and the general secretary.

New Technology Seismograph Now In Operation at Summer Engineering Camp

Concrete Building With Insulated Walls Nine Inches Thick Houses Instrument

The new seismograph station of Technology, the most easterly station on the North American continent, is now in operation in an isolated section of northeastern Maine. The country in which the new seismographs are keeping their vigil has long been one of the largest eastern "blind spots" in earthquake studies.

Technology's station, which has been in preparation for several years, represents the most advanced knowledge in the design of instruments for recording earthquakes. Up to the present, the nearest seismograph stations have been located at Cambridge, Mass., and Ottawa, Canada.

Isolation of Station Important

The isolation of Technology's station, with its freedom from artificial disturbances found in and near cities, is considered of great importance, and it was because of this fact that the summer engineering camp of Technology's department of civil engineering near Machias, Me., was chosen as the location. Because it stands on a firm foundation of ancient volcanic rock, in a zone of many geological faults, observations of this station are expected to be of unusual interest to seismologists and geologists.

The records of Technology's seismographs are sent directly to the headquarters of the United States Coast and Geodetic Survey in Washington, where similar records coming from widely separated stations make it possible to accurately determine the origin of the earthquakes. The new station is in charge of Professor George L. Hosmer, who during the summer makes his headquarters at Camp Technology.

Building Walls Nine Inches Thick

The building in which the instruments are housed is constructed of concrete with walls nine inches thick. The interior is lined with two layers of insulating material separated from the wall and from each other by air spaces. The concrete pier on which the instruments are installed has its foundation on an outcrop of volcanic rock which underlies this section of

Maine near the shores of the Bay of Fundy.

The seismographs, which were designed and built by Dr. Frank Wenner of the United States Bureau of Standards, consist of two separate units, one for recording east and west movements of the earth, and the other to detect waves of north and south direction. The slightest earth tremor registered by these delicate instrument sets up an electric current, which is transmitted by a special cable to the recording instruments in a building a thousand feet from the seismograph house.

The recording room, located in the basement of the home of E. O. Dennison, resident superintendent of Camp Technology, is light-proof, and in addition to the instruments for receiving earthquake data, is equipped for developing the photographic paper on which the records are registered.

The electric currents generated when the seismographs register an earthquake operate an extremely sensitive galvanometer, which by means of a tiny mirror writes the message of a distant earthquake with a pencil-point of light. The record is registered on a revolving drum covered with specially prepared photographic paper. The drum is driven by an accurate clock mechanism and the exact instant of the beginning and ending of any earth disturbance is automatically noted on the record.



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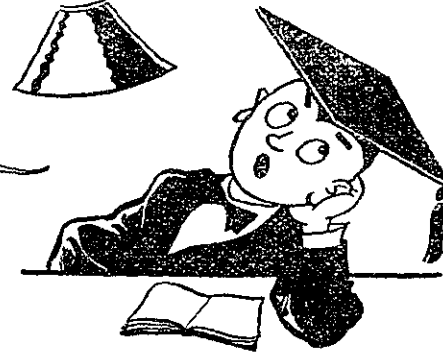
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