

Official Undergraduate
News Organ of
Massachusetts Institute
of Technology

The Tech

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Over Fifty Years

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CAMBRIDGE, MASS., FRIDAY, FEBRUARY 12, 1932

Price Five Cents

APPROVE APRIL 1 FOR CIRCUS

TWO ORCHESTRAS PLAY TONIGHT AT DORMITORY PROM

President Lowell of Harvard to
Address Group Expected
To Exceed 500

DANCE TO LAST UNTIL 4

President and Mrs. Compton to
Hold Reception in Faculty
Lounge After Dinner

President Lowell of Harvard University, speaker of the evening, will be introduced to the students and their guests at the Dormitory dinner dance, by Professor Robert E. Rogers of the English Department, who is toastmaster for the function. The dance takes place tomorrow night, with dinner scheduled to begin at 7 o'clock.

Reception in Faculty Lounge

Following the dinner, President and Mrs. Compton will receive in the Faculty Lounge, when the students attending will be presented to the President. Many prominent members of the Corporation and a large group of well-known Alumni will also attend.

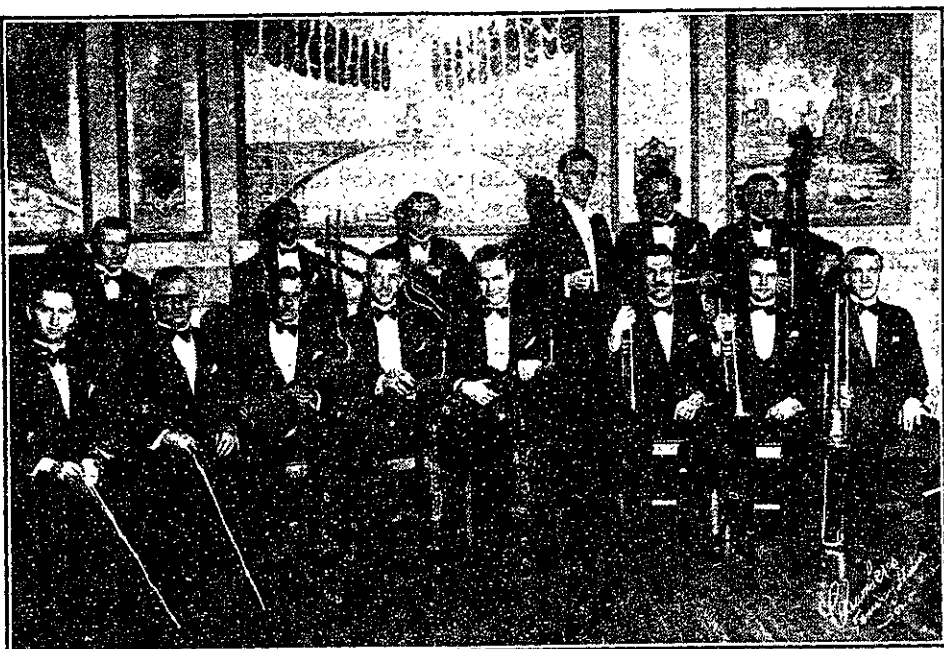
Two Orchestras

Two orchestras have been engaged to play for the dancing, which is expected to begin at about 10 o'clock and continue until 4 o'clock. Through the early part of the evening one of the regular ballroom orchestras from the Copley Plaza Hotel will furnish the music. At 1 o'clock a Meyer Davis Le Paradis band, under the direction of Joe Smith, will come from the Sheraton Room of the same hotel and will take up the burden of supplying the necessary music.

Over 500 Expected

Somewhere between five and six hundred people are being planned for by the committee in charge, according to a report from one of the members. This crowd will be seated throughout the Main Hall of Walker Memorial at tables of five couples.

WELL-KNOWN ORCHESTRA WHICH WILL PLAY
AT JUNIOR PROM ON FRIDAY, MARCH 18



RANNY WEEKS AND HIS ORCHESTRA

BASKETBALL TEAM PLAYS MINUS TWO STARS TOMORROW

Varsity Faces Lowell Textile
In Hangar Gym After
Long Layoff

Faced with the loss of two stars who failed to return to school, the Technology varsity basketball team will swing back into action after a month's layoff by meeting Lowell Textile tomorrow evening in the Hangar Gym. Danny Emond, who had replaced Tim Coffey at one of the guard positions, and Joe Oldham, first ranking substitute, are the players who will be missing for the rest of the season.

Technology's varsity, which has won five out of six games to date, has played but two hard games so far, those against Rhode Island State and Harvard. The remainder of the schedule is not easy, and it will be a hard task to complete the season without another defeat. Tomorrow night's game, coming as it does after a month of idleness, will be far from a tea party. Last year's game with Lowell Textile resulted in a very close score, and although this year's Lowell quintet has not been as successful as the preceding

(Continued on page four)

MUST MAKE TABLE RESERVATIONS FOR JUNIOR PROM NOW

Group Reservations Should Be
Arranged with Members
Of Committee

Fraternity members and other groups who wish to be seated together at the Junior Prom dinner must notify the Prom Committee at once to avoid disappointment. Many of the best tables have already been reserved in the sign-up campaign now being conducted. The fraternities and groups should make reservations now even though they do not wish to purchase sign-ups at this time.

Richard L. Fossett '33, chairman of the Prom Committee, announced last night that the sign-up drive was meeting with success up to that time. In order to give the students ample opportunity to make reservations, the Committee has voted to continue the campaign until Tuesday.

Drawing for Free Ticket

On the day following the close of the drive the Committee will meet to witness the drawing for the free Prom ticket. A Faculty member will be present to select the winner, whose name will be announced on the following Tuesday.

Posters Thank Depression But Nobody Can Tell Why

Mysterious red posters carrying the most unconvincing words, "Thanks to the Depression," have appeared and disappeared on the bulletin boards of the Institute. Whether they are part of a high-powered publicity stunt or merely the monstrous product of an over-worked engineering brain, it was impossible to learn. Neither could their meaning be fathomed.

According to the rules of the Institute Committee, posters which are not of standard size cannot be put on the bulletin boards, and it could not be learned whether the posters were removed by the authorities or whether the disappearance was part of the work of curiosity seekers.

Although companion posters have made their appearance announcing a dance at \$2.50, these also shed very little light on the subject. This is one of the few times in the history of the Institute that posters different from the ordinary run of things have been used. Whether the event which they are made to advertise warrants the interest which they have aroused, remains to be seen.

DESIGNATE DATE AS OLD CLOTHES DAY; INSTITUTE OFFICIALS BAN PARADE

FOSSETT IS MADE JUNIOR PRESIDENT; POINTS SET ASIDE

Institute Committee Votes to
Permit Extra Activity
Point Rating

To the accompaniment of not a little discussion, the Institute Committee last night voted that Richard L. Fossett '33, be made President of his class, to fill the place left vacant when Robert G. MacKay '33, withdrew from the Institute. He was also granted permission by the Committee to carry the surplus points which his activities give him.

Discussion, before the vote, centered chiefly around the question of the number of points which Fossett has accumulated through his various activities, the points amounting to somewhere in the neighborhood of eighteen, eight more than a man is allowed by the rules of the Point System Committee.

Scholarship Settles Question

Good scholastic standing—Fossett is an honor student—was apparently the deciding factor in the vote, for the opposition subsided after it had been pointed out that Fossett was to carry the load from the scholastic standpoint. A further question of the precedent which would be set was raised, but the vote overruled the objectors on that ground. For a time it appeared that Fossett might be made Acting President, which would have avoided the question of surplus points.

Another post of importance which was vacated by withdrawal, the presidency of the Technology Christian Association, was filled by vote of the Committee when Willis S. Hutchinson '32, was named Acting President of that organization to replace Richard R. Hall '32.

Walter Duncan '33, alternate in the fall elections for the Junior Prom Committee, was advanced to a position on that body, subject to the approval of the Point System Committee. He fills the post which was vacated by the withdrawal of MacKay and the advancement of Fossett.

LECTURE FEATURES HOOVER DAM FILMS

Points of interest in the construction of the Hoover Dam in Black Canyon on the Colorado River will feature the first lecture of a course on high masonry dams to be given in Room 5-330 at 3 o'clock today. The speaker will be J. L. Savage, government designing engineer on the dam, from the Bureau of Reclamation.

Two reels of motion picture films and several slides will be used to show the work being done on the dam which has now been under construction over a year.

Mr. Savage, who is a member of the American Society of Civil Engineers, is lecturing at Technology under the auspices of the department of Civil and Sanitary Engineering. After the course is started by Mr. Savage, it will be conducted by his associate for the following four weeks and thereafter by Professor George E. Russell. This course is open only to graduate students who have had a sufficient grounding in the study of structures to enable them to do the work.

FILTER PAPER IS EXPECTED TO GO ON STANDS ALSO

Activities and Fraternities Will
Enter Booths and Stands
In Competition

PAST CIRCUSES REVIEWED

Technology's super-whoopie carnival, The Tech Circus, expected to be the wildest laugh riot in the history of the Institute, will be held on April 1, it was decided by the Institute Committee yesterday. On the same day, *Filter Paper*, the student burlesque newspaper which "catches the dirt," is expected to go on the stands.

To add to the merriment of the occasion, the day has been designated as Old Clothes Day, and all students will come to class that day dressed in their oldest garments.

Will Take Place in Armory

The affair will take place in the Main Hall of the Armory on Massachusetts Avenue, opposite the Aeronautical Building, where the former famous circuses also pitched their tents. A steam calliope is expected to drown out the salutes, blank cartridges, barkers, and gongs as the circus begins its dizzy climb to merriment. A girl show rumored to surpass anything in town will be attempted, although the local censors are expected to keep the function under their surveillance. The highlight of previous carnivals will be missing, however, as the Institute authorities have forbidden any action off the Institute grounds, and the famous All-Tech parade, which thrilled the Boston populace with its colorful floats, will not be held.

How the various activities will take part in the affair has not yet been announced. However the customary bars, game of chance, nigger dodger, and shows are expected.

"Dry" Carnival Held in 1929

In the 1929 "Dry" carnival, the big Sigma Chi sideshow occupied the center of the floor. Periodically, a chic dancer from within would mount the platform as a sample of what was behind the canvas, and periodically a bombardment showered upon her, and a rush was made for tickets. Over to one side Sigma Nu ran a spitting contest with range and accuracy as the basis of competition.

THE TECH ran its traditional bar. Things started slowly with members of the Carnival and Institute Committees hanging around for treats. As the place got hot, and the crowd steamed up, mobs stormed the counter for Orange Ginger and Beer.

Windows Broken

M.I.T.A.A. sponsored a balloon game with a prize offered to the eagle-eyed man who could smash a balloon with a baseball. Several of the merry-makers, although unable to smash balloons, succeeded in smashing a window behind the booth. And the crash and tinkle of broken windows helped to swell the medley of merriment. *Technique* erected a sledgehammer machine and all night long, laboring engineers stripped off their coats and tried to send the metal high into the air to ring the gong, and win a free cigar.

Phos Guards Contents of Next Voo Doo by Refusing Story to THE TECH

THE TECH Reporter Culls Story
That it Will Resemble
"Yellow Rag"

Armed with the spirit of close cooperation that is typical of the publications at the Institute, a THE TECH reporter entered the sanctum of Phosphorus to get some information about the forthcoming edition of *Voo Doo*. His offers of free publicity elicited merely a refusal, no information.

THE TECH reporters, however get the news, armed as they are, with all the strategy of the press.

In desperation, *Voo Doo* has resorted to a publication's last device for wide circulation, the tabloid. The cover is the sensational first page of a "yellow rag." On it there are supposedly pictures of the instructing staff and the visage of a well-known student. In addition two girls who are obviously habitues of the street are

depicted. Of course they may have something to do with the Circus.

Stories Approach Slander

Scattered around the *Voo Doo* office were many galley proofs, detailing various Institute activities. From their content, it seems that Phos has kept ears and eyes glued on local keyholes for the past month. In fact, some of their stuff approaches slander. Beware, Phos, libel suits are expensive!

At this stage of the game a member of *Voo Doo's* Senior Board entered and abruptly and promptly ejected the TECH reporter into the corridor.

Hitherto, all the Institute publications have cooperated in close harmony with each other. Why is *Voo Doo* leaving the fold? Perhaps THE TECH reporter was shown the door because those subjected to the ire of Phos would bring pressure to repress the slanderous ardor on the puss's staff if they were to know of the contemplated satire.

JUNIOR PROM SIGNUPS NOW—MAIN LOBBY

A Record
of Continuous
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Undergraduates
of M. I. T.

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TOO MUCH ACTIVITY

AT the last meeting of the Institute Committee before examinations, it was moved that a shifting of activity offices on the third floor of Walker Memorial be made so that the M.I.T.A.A. could have more space and the vacated office of Tech Show be used by *Voo Doo*. Immediately after the motion had been seconded, the representative of the Institute humorous publication was on his feet asking that action on the matter be deferred because in reassigning the space available for student activities, the Walker Memorial Committee had not consulted *Voo Doo* nor asked what space was necessary for the conduct of the magazine. The motion was later tabled.

Again last evening the question of reassigning space in Walker came before the Institute Committee, and it must be admitted that to the casual observer the matter appears to have been poorly handled. *Voo Doo* seemed resigned to its fate of getting smaller quarters, but this time it was the Combined Musical Clubs which registered a protest. This organization is another of the several that feel the cramp of restricted quarters, and surely it should have been considered in making new assignment of rooms.

Apparently something must be done to divide the available space, but this time everyone interested should be consulted.

THE LITTLE BURRO

ONCE there was a little grey burro; he was a good little beast always doing what he was told and everything went along smoothly for some months after he came to his new master; then one day, soon after he had been allowed to remain in the pasture for a rest, his master suddenly became angry at him for no apparent reason at all. He beat the little ass, he called him harsh names, he mistreated the good little burro, and seemingly for nothing. Some of the burro's skin was scraped off by the blows, he was covered with bruises, he was unable to work. Then after a few days of this treatment his master let him rest, and a little later he went back to work, still the good little burro he had been before, but he always wondered why his master had beaten him and chastised him for those days; had he not been a faithful animal, was he not just the same as he had been before? The reason always remained a mystery to him.

Not once, but every year, there are new little freshmen; they are good men and they do well in their work at the Institute, they make friends, they fit in well at their fraternity houses, they make up a considerable portion of the incoming classes, and probably an even greater portion of the men who later occupy positions of responsibility in undergraduate affairs. During the entire fall and part of the winter these men come and go with nothing to differentiate them from the remainder of their classes; then all of a sudden, soon after they have had a short respite from the regular work, they are beaten, they are called harsh names, they are mistreated, and all for nothing. Some of their skin is scraped off, and they are covered with bruises, especially in certain parts. Then after a few days of this, they are allowed to return to their work, still the good men they were before, but they wonder why their masters during this short period beat and chastised them. They have not changed in the brief period. It remains a mystery to them, and it is probably a puzzle to the masters as well, for neither do these seem to know why it was done.

TOO MANY POINTS?

SOME years ago, just how many is unimportant, the point system of limiting the number of responsibilities that could be assumed by a student was installed. Since then it has functioned satisfactorily as evidenced by the present equitable distribution of positions among the undergraduates.

By a vote of the Institute Committee yesterday, the advancement of Richard L. Fossett, former vice-president, to the position of president of the class was authorized, despite the fact that the promotion gives him an excessive number of points.

In view of the considerations that Fossett has been connected with the work of both the Junior Class and the Junior Prom Committee, this action seems quite acceptable, for he is probably better fitted for the position than any other available man.

Westinghouse Research Engineers
Promote Safety by Steel Discovery

Laboratory Yields Methods for
Tracing Strains in Any
Type of Steel

Out of the research laboratories of the Westinghouse Electric Company, comes the announcement of a new step forward of great importance to the steel construction industries. Engineers have delved into the cores of steel forms, and brought to light pictures of the effects of strains on the structure of the steel, not limiting themselves to specialized types, as was formerly the case, but bringing practically every kind of steel into the field of investigation.

Effects of Strain on Steel

Research in this direction is not new, being over a decade old. It was known that every piece of steel has a limit of elasticity, and that if stretched beyond this point, will not return to its former shape. Investigators found that a piece of overstretched steel shows tiny flow lines on its outer surface, and that cross sections reveal additional lines.

Ten years ago, A. Fry, a German physicist, discovered that if a steel sample were etched by a solution containing hydrochloric acid, a pattern of the strains appeared in black relief, against the white metallic portion of the unstrained parts. Although this discovery was of great importance, its application was very limited, because only steel with the proper nitrogen content could be successfully etched. Such steel, manufactured by the Bessemer process, amounts to only 12 per cent of all the steel produced.

In an attempt to extend the etching process to open hearth steels, by far the most commonly used, F. R. Hensel and C. W. MacGregor, research engineers of the Westinghouse Electric Company, made use of the results of an investigation by a German physicist, who traced the success of the etching process to the presence of nitrogen in the steel.

They verified this by experiment, and also found that the effective quantity was between .01 and .05 per cent of the steel's content. Then the most important fruit of the investigation, a method of nitriding steels whose nitrogen content was below that necessary was discovered. By this process, when open hearth steels were etched, the flow lines and patterns of the strains within the steel became visible. In this method, the test specimen is first stressed, then cut into sections to be nitrided and etched. This stressing, cutting, nitriding, and etching routine permits examination of the flow lines and strain patterns of steel members in practically every application, including shafts in torsion, and certain process steels.

A method developed by others had the specimen nitrided before stressing, but this had only a very limited application besides being useless for cross-section examination.

The requirements for success of the method were laid down by Hensel and MacGregor: the material must have a sharply defined yield point, and must be stressed slightly beyond it. It must have a nitrogen content between fixed limits; if deficient, the content must be made up by nitriding. Finally, it must be correctly etched.

OPEN FORUM

What Do You Think?

To the Editor of THE TECH:

Another furious catastrophe looms on the temporal horizon. When the time is right a few "Over There's" and irrational nationalistic propaganda will drive unthinking, "intelligent" people from lucrative pursuits to worthless slaughter.

Women who saw their brothers leave home, never to return, calmly look on as their sons are fooled, deluded, sometimes even forced, into military training.

Prospective cannon-fodder at this distinguished American college accept Compulsory Military Training without a whimper. Intelligence?

M. H. '35.

INSTITUTE LEADS IN
POST GRADUATE WORK

Registrar MacKinnon Reveals
Developments Since War

One third of all graduate degrees in engineering are given by Technology, writes Registrar Joseph C. MacKinnon '13 in the February *Technology Review*. One half of all the advanced degrees in aeronautical, chemical, and electrical engineering are also given by the Institute. Where before the war the majority of graduate students went to Europe for study, the reverse is now true with the American engineers taking their advanced degrees at home. Technology's rapid advancement in graduate study is explained by the aid of several graphs in this interesting article.

City Planning in America

City planning in America has undergone a curious inversion. In the early days most of our cities were laid out by civil engineers where today the majority of city planners receive their training as landscape architects. In Germany the reverse is true and the civil engineer is today the most important figure in regional planning. Roman Heiligenthal, the foremost foreign authority, is the author of an article on German Planning which is translated by Hunter Rouse '29.

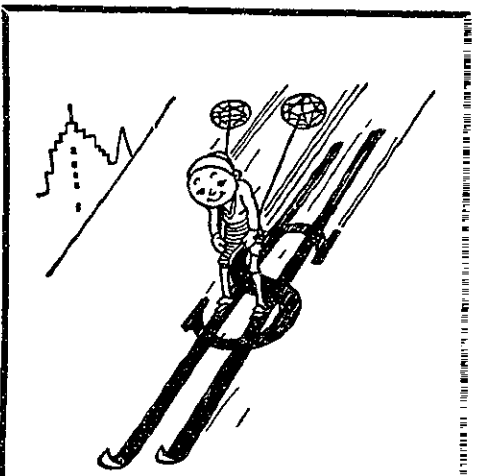
Athletic Heart Discussed

Two articles in the issue are contributed by Norbert Weiner, one on the mysteries of modern physics and one on conditions among the intellectual class abroad where he is now travelling. Athletics and Health is the title of an article by Dr. Allan W. Rowe '01, who asks if college sports injure the heart.

AMUSEMENTS

STAGE
Plymouth: "Trick for Trick." Magicians do their stuff. Good entertainment, final week.
Shubert: Katharine Cornell in Boston, in "The Barretts of Wimpole Street," a great play.
Colonial: Max Gordon, producer of "Band Wagon," brings us "Three's A Crowd," with Frank Allen, and Clifton Webb. Here for two weeks.
Hollis: "Unexpected Husband." Good, fast, farce, with New York cast.

SCREEN
Loew's State: "The Greeks Had a Word For It." Through the Censor's, at that. Ina Claire, Joan Blondell, and Madge Evans. Zasu Pitts and Thelma Todd in "On the Loose."
Loew's Orpheum: Robert Montgomery in "Lovers Courageous," with Madge Evans. Miss Patricia on the stage.
R.K.O. Keith-Boston: Edna May Oliver, comedienne of "Cimarron," in "Ladies of the Jury," directed by Lowell Sherman. Daphne Pollard headlines the vaudeville.
R.K.O. Keith: Robert Armstrong and Charles Bickford assist Helen Twelvetrees in "Panama Flo." "Big Dame Hunting," with Ned Sparks, provides the humor.
Metropolitan: Ruth Chatterton back in Boston. With Paul Lukas in "Tomorrow and Tomorrow." Ranny Weeks, Junior Prom entertainer, on the stage.



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"That extra-curricular campus activities of a managerial nature are a desirable adjunct to undergraduate experience is proved by their correlations with higher salary ranges."

From a report by the Department of Business and Engineering Administration

Are You Receiving Full Value
From Your College Education?

Although students who come to Technology do not come for the mere purpose of increasing their earning power in after life, yet this fact cannot be overlooked as one of the important returns of a technical education. The above statement made after a careful study of many graduates is a striking indication of another value of campus activities.

THE TECH offers Freshmen, Sophomores and Transfers positions in the following departments: News, Sports, Editorial, Photographic, Business Service, Advertising and Circulation

Editorial and News ROOM 3 Drop in and confer with the men in charge of the department in which you are interested Business Department ROOM 302

BEAVER TRACKMEN ENTERED IN B.A.A. GAMES AT ARENA

One Mile and Crippled Two Mile Relay Teams Will Start; MacKay Out

BELL IN 50-YARD DASH

Participating in the regular annual Boston Athletic Association Games, Technology will compete against other teams Saturday night in the Boston Arena. Some of the men will be running in the afternoon Indoor New England Championship Event, among whom will be Bell, who set a new Technology record in the 50-yard dash at the K. of C. games last month, by running his heat in 5 4-5 seconds.

In the 600-yard run, the Institute will be represented by Thorpe, Ball, Kinraide, and Keefe. In the evening games, Technology will take part in both the two- and the one-mile relays, starting two teams.

No Freshman Relay Entered

Bell and Sharpe will be in the sprint and Coon will enter in the high jump. The freshman relay team will not start, being in bad shape on account of the sickness of two of the best men and general lack of condition because of insufficient training during the mid-year vacation.

Endeavoring to break its run of bad luck, the varsity one-mile team will race against Dartmouth and Princeton. This quartet has had bad luck so far, losing the pole at the K. of C. games, giving Boston College a positive win of some inches, and giving the spectators the greatest race ever seen at the Garden. Boston College won in the timing of this race, beating that of the Institute by only one-tenth of a second. Timings were 3.30 8-10 and 3.30 9-10, respectively.

Varsity Two-Mile Crippled

This one-mile relay team has shown great promise and should show Boston just what Technology can produce on the track. The two-mile team has been badly crippled by MacKay's being dismissed from the Institute on account of scholastic difficulties. He and Kearns, who is out of trim, temporarily, were the mainstays of that organization.

Lineups are as follows: On the two-mile team MacKay and Kearns are out, leaving Barrett, Mann, Hall, and Buresch, who may take Kearns' place if Kearns cannot run. In the one-mile team, Jewett (Capt.) Mulliken, Schwarz, and Hall, will make another trial to show their real worth.

GYM TEAM TO MEET STRONG NAVY GROUP

Beavers Hope to Avenge Defeat Of Last Year's Match

Tomorrow afternoon will see the Institute gym team's first meet of the season with Navy. This meet will take place in the Walker Gym in the afternoon about 2.30 o'clock.

Last year the Naval Academy defeated the Institute with a score of 36-18, going on to win the Intercollegiate of that year. Several of their last year's winners are on the team which will meet Technology. Their captain, Curtz, working on the parallel bars and high bar, took second place in the Intercollegiate on the high bar and also placed third on the parallel bars.

Abbot Faces Stiff Opposition

Supporting the Navy captain are Denton, who took second place in the Intercollegiate contests and the flying rings, and Jukes, who took second place in tumbling, both of whom will prove formidable foes to Abbott of the Technology team.

Already the Navy team has downed New York University, a strong organization, and it will be undoubtedly one of the contenders this year for the place of Intercollegiate Champion.

TECHNOLOGY SUPPORT CHRISTMAS SEAL SALE

An Appreciation

Students of Massachusetts Institute of Technology bought \$299 worth of Christmas Seals from the Cambridge Tuberculosis and Health Association according to William D. Swan, Jr., chairman of the Seal Sale Committee. The Association is most appreciative of this response to the sale without which it would be obliged to curtail its care and treatment of undernourished children, its preventive work and educational activities.

250 Attend Meeting Of the Safety Council

Trophies are Awarded for Best Accident Record at Dinner in Walker Memorial

Approximately 250 representatives of various industrial corporations, among whom were numerous Technology graduates, attended the dinner meeting of the Engineering Section of The Massachusetts Safety Council, a member of the National Safety Council, in the North Hall of Walker Memorial last evening at 7 o'clock. The meeting, which carried the special purpose of awarding trophies and certificates to the corporations having the best accident rates was in charge of William A. Coolidge of the Boston Edison Electric Company, chairman, and Frederick A. Washburn '18, of the Hood Rubber Company, vice-chairman.

Louis E. McBrayne addressed the gathering and made the awards following a debate on the question: "Resolved: That Safety Committees are Less Effective Than Foremen Supervisors in Preventing Industrial Accidents." William M. Titus, Travelers' Insurance Company and Edward F. Maloney, duPont de Nemour Company, supported the affirmative, while S. W. Gurne, Liberty Mutual Insurance Company, and C. E. French, Colonial Beacon Oil Company, spoke for the negative side.

BAD CHECKS

Seventy-five bad checks are passed each day at the University of Missouri, concludes a recent survey.

BEAVER BRAUN

Basketball common took a sudden drop this week, when the Institute decided to do without the presence of Messrs. Emond and Oldham. Danny Emond has been playing all over the court, and his absence will give Coach McCarthy plenty to worry about. With only one defeat on record out of the six starts, the Technology hoopsters will have plenty to do to keep up that slate, especially against New Hampshire a couple of weeks away.

That one defeat at the hands of Rhode Island still hurts. But for the benefit of other schools, they did revarnish that terrible floor soon after the sliding exhibition on the night of the Technology game. Wonder what would happen now in a return game?

In spite of the loss of Emond and substitute Oldham, the Lowell Institute game still appears to be one not to lose any sleep about. Last year's game was no cinch, but this season the Lowellites have more or less hit the skids, while the Engineers seem to be hot or hotter. All of which should mean that the Lowell team will go home without having taken over the local talent.

More unhappy tidings come from the wrestling team, for it, too, has suffered ordinary troubles. The young man in the case is Captain Lou Vassalotti, whose trick knee has been performing to such an extent that it looks as though he is definitely out. Last season Lou did all the point getting for the matmen, so it is tragic indeed that he will be lost for the remainder of this year.

Hockey prospects do not look so good, even the prospect of playing games does not look promising. Next week's schedule includes Brae Burn, New Hampshire, Dartmouth, and Northeastern, all to be played supposedly on outside rinks. The Dartmouth game is the most probable to come off, but others may not come off, on account of Boston's indifferent weather.

Track enthusiasts will welcome the B.A.A. games at the Arena tomorrow night, with special attention going to the various relay teams. Likewise the Navy gym team tomorrow afternoon will give the Beavers some real competition, perhaps too stiff for the local boys to handle.

COLLEGE WOMEN PREFERRED

College men prefer college women as life companions, according to the nationwide poll of the *College Stories Magazine*. The poll revealed that men preferred college girls because they have "it," intelligence.

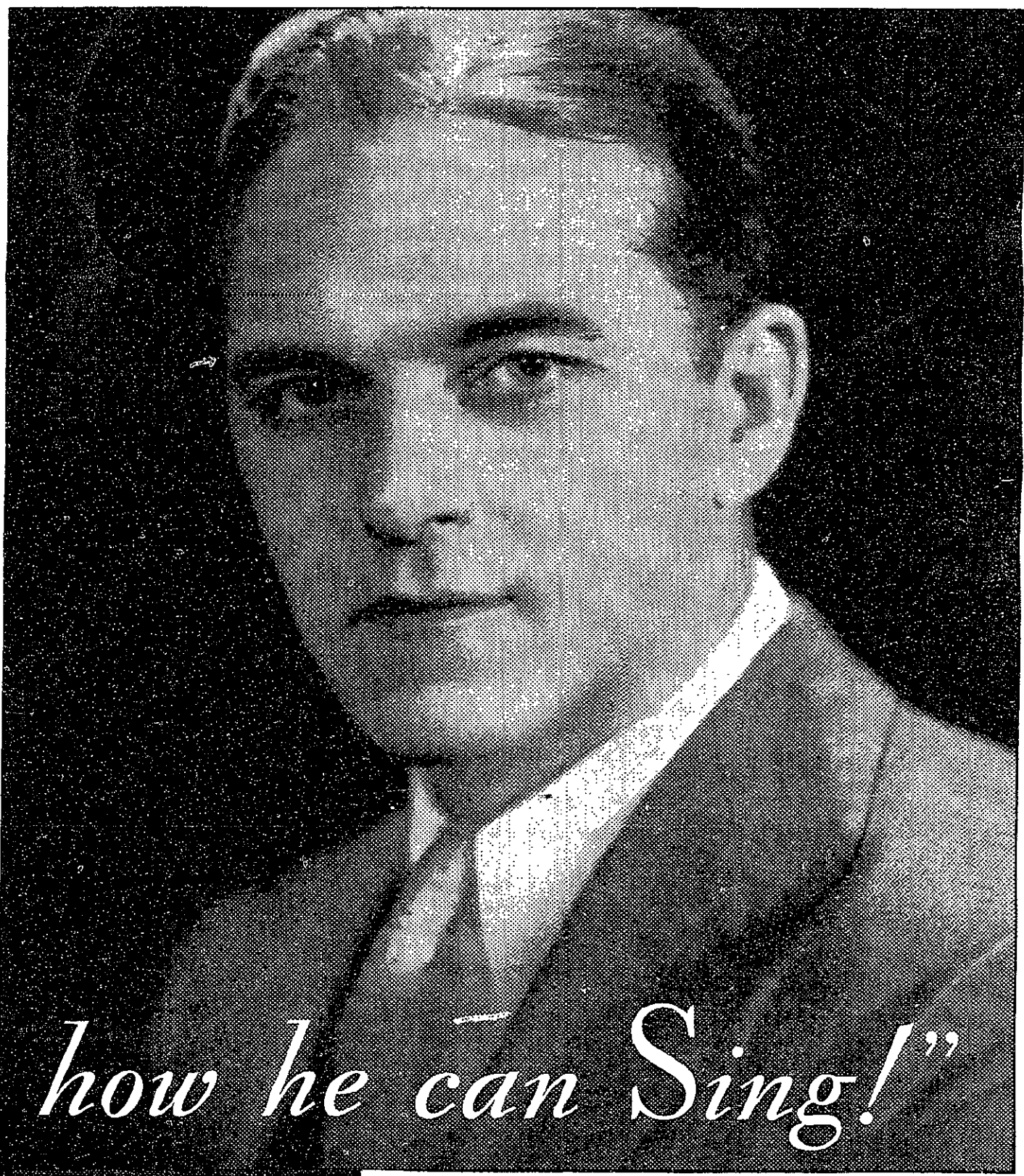
Cross the Avenue near Armory to **Lydia Lee**
Easy to reach for lunch 11 a.m.-3 p.m.
Steak Dinner 65c

APPOINT NOMINATING COMMITTEE OF T.C.A.

At a meeting of the Executive Committee of the Technology Christian Association held Wednesday a committee was appointed to nominate candidates for the positions of Senior officers for which the annual elections will be held on February 23. The members of the committee are Willis S. Hutchinson '32, Fred R. Henderson '32 and John Lawrence, '32.

fine arts STATE THEATRE BUILDING now!
THE SENSATION OF HER CAREER!
MARLENE DIETRICH
In "3 Loves"
"... Toyed with Life until ..."

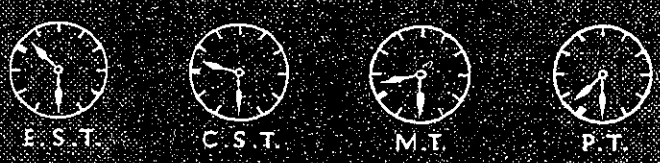
HERE AGAIN! **The SNOW TRAIN**
With it come the pleasures of skiing, skating, snowshoeing and tobogganing deep in the mountainous regions of picturesque New Hampshire where Winter Sports conditions are best. Make up a party of your friends or come alone on the next trip. You'll have "the time of your life." **Snow Train announcements appear on page 1 of Boston papers Fridays.** For particulars phone **CAPITOL 6000 Extension 488** **B&M**
BOSTON AND MAINE R.R.



The Chesterfield soloist
ALEX GRAY

"and how he can Sing!"

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The Chesterfield Cigarette program... Every night except Sunday... Entire Columbia Network, coast to coast... 15 minutes of "Music that Satisfies."

Whether it's a tender old love song or a dashing hit from the latest show, there's the deep thrill of real music in whatever he sings. Hear his fine voice in the Chesterfield Radio Program. And hear Nat Shilkret, too, with his beautifully-balanced big orchestra.

Chesterfield

OFFICIAL BULLETINS OF GENERAL INTEREST

Friday, February 12, 3.00 p.m., Room 5-330

Civil Engineering Department

High Masonry Dams

Mr. John L. Savage, Chief Designing Engineer on Hoover Dam, will lecture on "The Design of High Masonry Dams with Particular Reference to the Hoover Dam."

Friday, February 12, 4.30 p.m., Room 4-270

Lecture

Professor P. Debye

First lecture on X-Ray Scattering and Molecular Structure.

C·A·L·E·N·D·A·R

Friday, February 12, 1932

7.00 p.m. — Dormitory dinner and dance in Main Hall of Walker Memorial.
7.30 p.m. — Gym meet in Walker Memorial Gymnasium.

Saturday, February 13, 1932

1.00 p.m. — Tectonians rehearsal in North Hall of Walker Memorial.
6.00 p.m. — Basketball team supper-meeting in Grill Room of Walker Memorial.
6.00 p.m. — Department of Mining and Metallurgy dinner in Faculty Dining Room of Walker Memorial
8.30 p.m. — Tech Boat Club dance in Main Hall of Walker Memorial.

Three Engineers Entering Squash Intercollegiates

McHugh, Newman and DeGive
Make Trip to Trinity for
Title Matches

Technology will send three varsity squash players to Trinity College, Hartford, today, to compete in the Intercollegiate matches which will take place this afternoon and tomorrow afternoon. The players are John J. McHugh, Unc., who was declared eligible to play this term, Lawrence DeGive '33, captain of the squash team, and Eric P. Newman '32.

It is expected that the Institute will place at least one man in the finals of the matches which are conducted by the Intercollegiate Squash Racquet Association. The other colleges which are members of this association are Harvard, Yale, Trinity, and Princeton. Incidentally, Harvard won the title last year and are also the favorites this year.

Beaver Teams Busy

While the men are playing at Trinity, all the Institute squash teams will be engaged in matches. The varsity "C" team will play the University Club at the Institute; the varsity "D" team will play at the Harvard Club; the Faculty-Graduate team is scheduled to play Harvard at the Institute and the freshman team will play the Union Boat Club at the latter's courts.

Because the men who are going to the Intercollegiate are members of the varsity class "C" team, they played their matches yesterday afternoon and the matches which are not completed will be played next Monday. The following men will represent the Institute, Saturday:

Following are the lineups:

Varsity "C"	Varsity "D"
J. J. McHugh	H. T. Martin
L. DeGive, Capt.	J. H. Wood
E. P. Newman	N. E. Harris
D. Ingalls	J. Eder
G. J. Murphy	P. A. Burchett

Faculty-Graduate	Freshmen
L. F. Woodruff	A. R. Spaulding
W. S. Roberts	J. R. Burton, Capt.
W. V. Fitch	W. Yepsen
W. E. Howard, Jr.	F. R. White
W. Gale	F. B. Reilly

\$100,000 BEQUEST IS LEFT FOR INSTITUTE

Technology has been left \$100,000 by the will of Frank Hanchett, seventy-one, Lowell, Massachusetts, banker, who died last December. Bursar Horace S. Ford said that no official notice had been received, and that no recognition of such a bequest has been made because often in the past similar gifts have failed to materialize. It was, however, learned from unofficial sources that the trustees of the estate will make the bequest at a later date.

A large portion of his estate of over a million dollars was bequeathed to public institutions, \$517,000 was given relatives, \$250,000 was donated to the Lowell General Hospital for the erection of an administrative unit.

BASKETBALL MINUS TWO STARS IN GAME

(Continued from page one)
one, it can hardly be classed as a setup, two of its players being veterans from last year.

Four Games After Lowell

Pratt Institute, Stevens Institute, New Hampshire, and Tufts will complete the schedule. New Hampshire, which defeated Lowell Textile by over ten points, has one of the leading squads in New England, and promises to give the Engineers their stiffest tussle of the year. Last year, when the Beavers squeezed out a 27-24 win, was the first time since 1922 that a Technology quintet had succeeded in downing the Wildcats.

Losses Felt by Team

Emond's loss is a severe handicap to Coach McCarthy. Out with injuries until after Christmas, the flashy Sophomore had developed into one of the most dependable players on the squad. In the Clark game he alternated with Coffey at both forward and guard, and showed up so well that Coach McCarthy started him in the Harvard and Brown battles. It was Emond who started the late rally which won the Harvard game, by sinking a long shot. Joe Oldham, the other player who has left school, was the leading substitute at forward, and saw action in all but one game. Since both men were Sophomores, the prospects for the next two years are no longer so rosy.

Undoubtedly Coach McCarthy will start O'Brien and Feustel at forwards, Johnson at center, and Sysko and Coffey at guards, in the Lowell game. The coach has not decided as yet who the leading substitutes, replacing Emond and Oldham, will be.

Technology's freshman quintet also reopens its campaign tomorrow, playing the Boston Boys' Club in the afternoon at Charlestown.



Opposite
the new
Waldorf Astoria

Home of the famous swimming pool—
THE SHELTON
at 49th and Lexington NEW YORK

When the Shelton opened (7 years ago) we began catering to college men and women. Gradually their patronage has increased; we feel safe in asserting that more students make the Shelton their New York home than at any club or other hotel. One reason for this is the free recreational features plus a desire to serve on the part of Shelton employees. Room rates have been greatly reduced. Rates from \$50 per month upward. A room from \$2.50 daily.

Club features (free to guests) are as follows: Swimming pool; completely equipped gymnasium; game rooms for bridge and backgammon; roof garden and solarium. Restaurant and cafeteria service at reasonable prices.

"LIGHT AND LIFE" IS SUBJECT OF LECTURE

Dr. Bunker Will Give Popular
Science Lecture Sunday

"Light and Life" will be the subject of the third Society of Arts Popular Science lecture to be delivered at the Institute by Dr. John W. M. Bunker, professor of Biochemistry and Physiology, next Sunday afternoon at 4 o'clock.

Dr. Bunker will first discuss regions of light and some effects of absorbed radiant energy on plants, including the formation of starch and chlorophyll, the chemical which gives foliage its green color.

Chemical reactions of ultra-violet light will be described by the speaker, as well as its relation to pigment formation, Vitamin D, and the stimulation of tissue cells in animals. One of Dr. Bunker's most interesting topics will concern methods of curing rickets, a disease which weakens the bones of growing children. He will discuss bone formation and a mechanism of light therapy, and will illustrate the development of a cell into an animal by the use of modelling clay.

Undergraduate Notices

ELECTION OF OFFICERS

There will be an election of officers of the recently installed M. I. T. Student Branch of the Associated General Contractors of America, Friday afternoon at 5 o'clock. These will be the first officers of the Society. Students in Course XVII are eligible for membership in this latest professional society to appear at the Institute. The Society, which has already held several meetings, is not as yet a member of the Combined Professional Societies.

European Expert to Lecture on X-Rays

Professor P. Debye Gives First
Of Series of Talks Today

Professor P. Debye, head of the Institute for Experimental Physics at the University of Leipzig, will deliver today the first in a series of lectures on "X-Ray Scattering and Molecular Structure," in Room 4-270 at 4.30 o'clock. These lectures will continue on Wednesdays and Fridays for a period of ten weeks.

Previous to occupying his present position at the University of Leipzig, Professor Debye was head of the department of Physics at the Institute of Technology in Zurich, Switzerland. He also has been connected with the University of Göttingen.

Dr. Debye's outstanding contributions to science have been made in the fields of X-rays and crystal structures, and he has recently extended his investigations to the structure of molecules. He is the author of the currently accepted theories of dielectric phenomena and of electrolytes, and has contributed a book on "Polar Molecules."

Dr. Debye visited Technology eight years ago, at which time he delivered a similar series of lectures.

ENGLISH STUDENT

One innocent freshman at Penn State was detected on the second floor of a sorority house on the campus. When asked what he wanted he replied that he was in search of an English professor and thought that that was the English department.

FRESHMAN FATHER

Lehigh University boasts of a frosh grid star who is a daddy. According to the married freshman, college life and marriage are not at all a bad combination. His wife and little daughter attend all the football matches and especially the freshman games to watch daddy and hubby play. The little daughter has already made her debut on the Lehigh campus.

Two Single Rooms BOARD IF DESIRED GARAGE SPACE ON PREMISES

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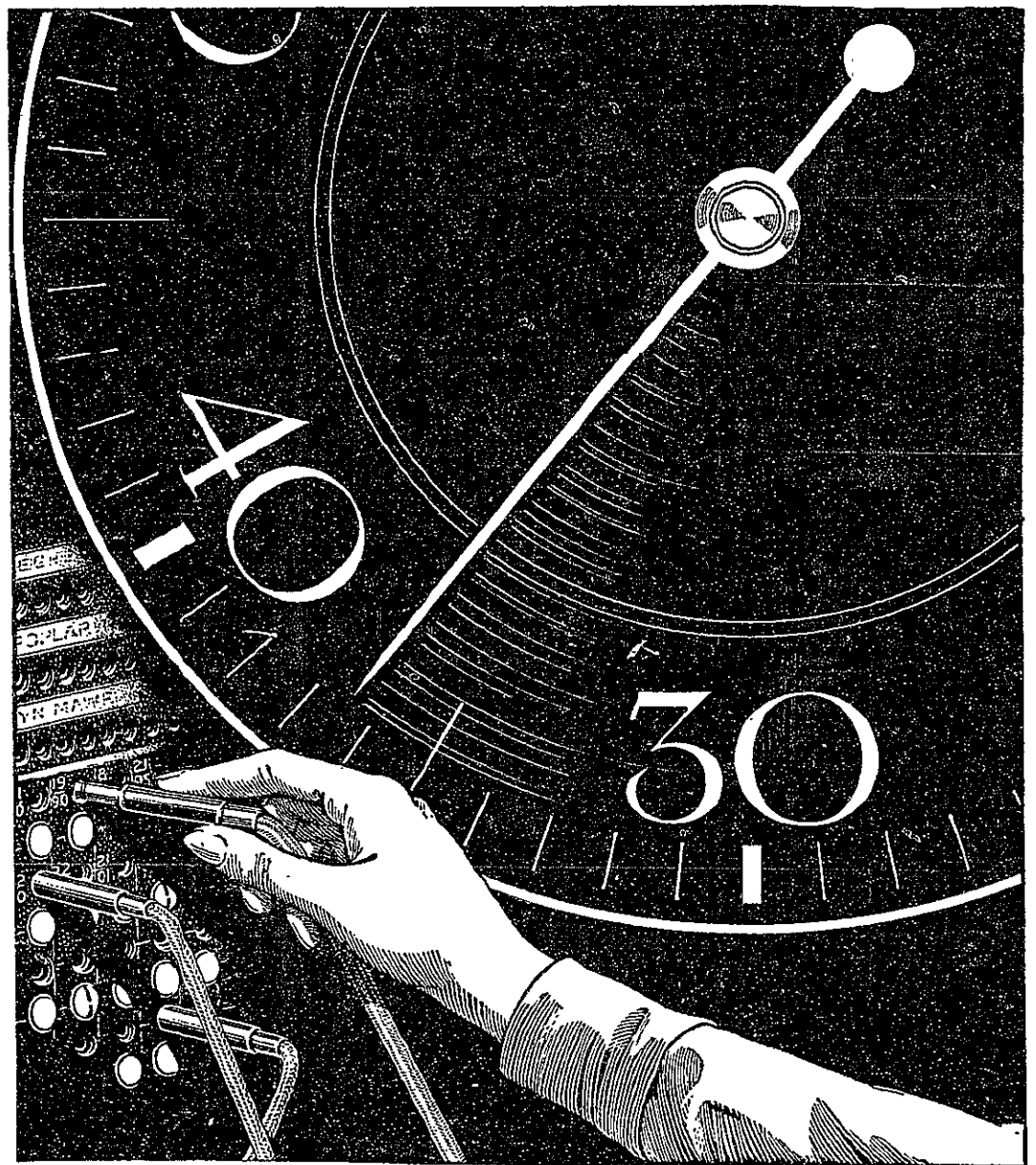
420 Tremont Street
629 Washington Street
30 Haymarket Square
6 Pearl Street
242 Tremont Street
1083 Washington Street
44 Scollay Square
332 Massachusetts Avenue
19 School Street
437 Boylston Street
1080 Boylston Street
34 Bromfield Street
540 Commonwealth Avenue
204 Dartmouth Street
105 Causeway Street

ALLSTON

1215 Commonwealth Avenue

CAMBRIDGE

78 Massachusetts Avenue



Keeping ahead of the second hand

To keep telephone service in step with the swift pace of American life, Bell System men tackle many an absorbing problem, find many an ingenious solution.

For instance, they decided that precious seconds could be saved by a change in long-established operating routine. The operator used to repeat the number called by the subscriber—now she indicates that

she understands by saying, "Thank you." To appreciate the importance of the second thus saved, just multiply it by the 40,000,000 conversations handled by operators on the average day.

In the telephone business, major improvements that save the subscriber's time and give him better service often result from just such apparently minor changes.

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