

## ALL-TECHNOLOGY SMOKER ATTENDED BY RECORD CROWD

### MOVIES, CHEERING AND SINGING LEND PEP TO GATHERING

MacLaren '30 Wins Swartz Medal; Grondal '31 Awarded Technique Cup

### MANY NEWCOMERS DINED

Walker Memorial Dining Hall was filled to overflowing with the unprecedented number of undergraduates that turned out to the All-Technology Smoker last Friday. The number of freshmen and new transfers served at the dinner exceeded even that of last year, when all records were broken.

Not only did this year's smoker excel in numbers but also in enthusiasm. Every part of the program from the after dinner speeches to the final raffle was received with a great deal of applause by the students. The entire program seemed to please everyone, although the two movie reels were perhaps the best received.

Edgar M. Hawkins '30, Chairman of the Speakers Committee, introduced the after-dinner speakers. The first of these was Dr. John A. Rockwell '96, who spoke on athletics and their value, including a sketch of their history at Technology. Professor Winward Prescott, as the second speaker, outlined the various publications at the Institute and spoke of their value to the students.

Professor Robert E. Rogers spoke in his own inimitable style on Tech Show and the Musical Clubs. After telling what things were wrong with these organizations, Professor Rogers explained their incalculable value to Technology and urged everyone to lend their support to these activities.

After the speeches, the crowd separated, some going to the sports exhibition in the Walker Gym while others visited the various activity offices. At 8:15 o'clock, assembly was held in the Main Hall where they key to Walker Memorial was presented by (Continued on Page 5)

### PHOTO SERVICE GIVEN TECHNIQUE CONTRACT

### Taking of Pictures Will Start First Day of November

The Institute Photographic Service has been awarded the contract for all the Photographic work of the 1930 Technique. All pictures will be taken between November first and December 14. Individual sittings will be made in Room 2-070, from 9 o'clock until noon, and from 1 until 3 o'clock. The group pictures will be taken at 8:30 o'clock in the morning, and from 5 to 5:30 o'clock in the afternoon, in room 11-004. Appointments may be made in the Main Lobby, starting Monday, October 21. A deposit of \$1 is to be made at the time the pictures are taken.

Competition for the position of Photographic Manager for Technique is still open. Those interested should report to the office of Technique, in Walker Memorial, any day after 5 o'clock.

### First-Year Men Hold Scramble for Pennies

"Pennies, pennies everywhere" seemed to be the motto of the freshmen at the All-Technology Smoker last Friday. Everytime some member of the committee or an entertainer appeared on the platform a shower of Uncle Sam's cheapest currency greeted him. At least a few freshmen repented this rash action however for the show had hardly closed when there was a mad scramble to see who could recover the greatest number. Everything from flashlights to matches were used in the search which provided more sore knees than pennies.

### Alfred Cullum, '31 Heads M.I.T. Radio Society This Year

### Society Elects New Officers at Meeting Held Thursday Afternoon

At the year's first meeting of the M. I. T. Radio Society, held Thursday afternoon, Alfred E. Cullum, '31, was elected to head the society for the coming year. Other officers elected were Fred Elser, '31, Vice President and general manager of the Society transmitting station, and John M. Hollywood, '31, reelected Secretary and Treasurer. John N. Dyer, '31, and F. G. Geer, Unc, were chosen as members of the executive committee.

All of the newly elected officers, with the exception of F. G. Geer have been associated with the society since it was started two years ago, Elser having been Vice President in the year 1927-28, Hollywood, Secretary and Treasurer for the past two years, and Dyer, Vice President during the past year.

Plans were discussed for the occupation of the Society's new station in Building 12, the erection of two new aerials, and the speaking program for the year. Meetings are to be held, probably, about once a month, on Friday afternoon at five o'clock. In outfitting the Society's new station, it has been decided that while the institute will furnish the necessary materials, the society members will do all the installation work themselves.

### T. E. N. MAKES DEBUT WEDNESDAY, OCT. 16

### Varied Fields of Engineering Presented in First Issue of Year

To go on the stands Wednesday, the first issue of The Tech Engineering News for the current year gives promise of maintaining the reputation of last year—the best college engineering journal in the country. The managing board, under the direction of Charles C. Ladd '30, gives evidence of a lot of hard work.

**Aeronautics Featured**  
One of the featured articles in this issue is "The National Air Races" by James C. Redding, '29, and deals with the latest improvements for increase of speed and safety, as observed at the Exposition this year at Cleveland, Ohio. The super-development of streamline bodies and air cooled engines in commercial planes is explained in an interesting, non-technical manner.

**Architect's Drawing Exhibited**  
In the interests of architecture, which is after all an important branch of the Institute's activity, there is exhibited a prize-winning design, with the subject, "A Municipal Employment Bureau" by A. L. Riggs. This design is considered to be one of the outstanding examples of this department of the Institute in the last year. The third prize at the Beaux Arts Institute of Design was captured by this rendering.

Among the other articles of interest in this issue is a story on the prevention of mine accidents, and a discussion of the recent developments in bridge-building in the New York Harbor.

### FRESHMAN LEADERS TO HOLD MEETING TODAY

Freshman section representatives will hold their second meeting in Room 10-257 today at five o'clock to consider plans for Field Day.

Horace S. Ford, Jr., Junior class president and freshman adviser, said that he is going to call a meeting of the class of '33 within the next two weeks.

He also said that there is a great need for candidates for the freshman tug-of-war team which consists of 24 men. As this event counts for two points on Field Day, Ford urges as many freshmen as are able to try out for it.

### ENGINEER BOOTERS TIE BROWN 1 TO 1 IN OPENING GAME

### Technology Plays First Soccer Game of Season at Coop Field Saturday

### SCHULTZ SCORES POINT

Tying with Brown University with a 1 to 1 score, the Varsity soccer team started its season on the Coop field on Saturday afternoon. The engineers had the ball most of the time in the first two quarters in which their goal was scored by Schultz when he kicked the ball in on a pass from the center.

Both teams played a fast game which resulted in interesting plays and unusual spills. The ball was bouncing on the heads of the players a great part of the time, and there was little dribbling on the part of either team.

Brown scored their goal in the second quarter when there were about ten men right in front of the up-rights. Rasmusen poked the ball in with his head scoring the point. After the score was tied both teams began to fight viciously for supremacy, but neither side was able to score further points before the whistle ended the game. No extra periods were played.

The line up was as follows:

M. I. T.	BROWN
Wyman, g	g, Crane
Riehl, lfb	lfb, Connor
Hawkins, rfb	rfb, Eccleston
Cooper, rhb	rhb, Gill
Fragiacomo, chb	chb, McGinn
Newman, lhb	lhb, Schweikert
Schultz, or	or, Roberts
Veletz, ir	ir, Ingerson
Kashemsanta, c	c, Pilkington
Youngson, il	il, Rasmusen
Vibulayamonkal, ol	ol, Bowen

Substitutions: Brown; Edgerly for Eccleston, Nalls for Gill, Sidney for Schweikert, William for Pilkington, Pilkington for Rasmusen, Hirvey for Bowen. M. I. T.; Axford for Veletz, Gallese for Newman.

### Tech Show Holds Smoker Wednesday

### Mass Meeting Last Chance to Hand in Skits for 1930 Production

Tech Show 1930 will hold its annual smoker Wednesday evening at 8 o'clock in the North Hall of Walker Memorial. At this time the tentative plans for this year's musical revue will be announced, and the work of the various departments of the Show will be explained.

The management wishes to have all skits that are still in the process of being written turned in at this meeting, so that the program may be arranged and the work of production and casting may be started without delay. In order to do this it is essential that all skit-writers and candidates cooperate with the management by appearing at this meeting and reporting to the manager in charge of the department in which the candidate is interested.

There are positions open for both Sophomores and freshmen in the management as well as cast and chorus parts for members of all classes. Students wishing further information are requested to call at the Tech Show office, Room 301 Walker Memorial any afternoon after 5:00 o'clock.

### Three Greek Families Plundered by Robber

That a professional fraternity robber has been at work was discovered by a little comparison of notes last Friday. The robber works between the hours of 1:00 A. M. and 6:00 A. M., and enters by way of an unlocked window. At one house, over two hundred dollars was stolen from the clothing of the retired men. As far as could be determined, three houses have been the only sufferers. Guard your wallets!

## ENGINEER VARSITY WINS FIRST CREW RACE OF SEASON

### FIRST DORM DANCE WILL BE INFORMAL

### Dormitory Function Scheduled For Friday Night in North Hall

Residents of the dormitories will officially open the social season Friday night with the first Dorm Dance of the year. The dance will start at 8:30 o'clock Friday night, and last till 12, and is being held in the North Hall of Walker Memorial.

Following the usual custom, the first dance of the season will be informal. Music will be supplied by Dick Edwards' Orchestra, well known to many of the undergraduates.

Tickets, priced at \$2 a couple, have been on sale for some time, and are reported to be selling rapidly. Juel H. Lensch '30, Chairman of the Dance Committee, promises that this affair will compare favorably with the dances held last year, and all that is needed to make the evening a complete success is the whole-hearted co-operation of all men living in the dormitories.

### VAUDEVILLE, MUSIC PRESENTED BY T. C. A.

### Members of Faculty to Speak At Smoker Wednesday

Speeches, refreshments, vaudeville and music will be among the attractions offered at the T. C. A. smoker to be held in the North Hall of Walker Memorial next Wednesday, at 5:15 o'clock.

This affair is for the purpose of acquainting interested undergraduates with the activities of the T. C. A. There will be addresses by two members of the faculty, after which cider and doughnuts will be served, and several vaudeville acts and musical numbers will be presented. Each freshman will be given a brief sketch of the activities engaged in by the T. C. A.

It is hoped by President Pattison that many of the new men will take this opportunity to become acquainted with the Association.

## Local Topics Feature Meeting of A. S. C. E.; Technology Represented

### Many Members of Faculty and Alumni Take Part in Discussions

The position of Technology as one of the prominent schools of engineering in this section of the country, and the pre-eminence of its graduates in the field of civil engineering was implicitly emphasized in the fall meeting of the American Society of Civil Engineers which was held in Boston last week. Most of the speakers on the three day program are members either of the Faculty or the Alumni, or both.

The convention opened Wednesday morning with addresses of welcome by Louis K. Rourke '95, representing Mayor Malcolm E. Nichols, and Richard K. Hale '04, President of the Northeastern Section of the Society. Charles M. Spofford '93, Hayward Professor of Civil Engineering at the Institute, presided.

**Bigger Boston Project Discussed**  
Most of the papers presented dealt with engineering problems which are being analyzed in connection with the proposed "Metropolitan District" development of Boston. The principal feature of this plan is the annexation of the forty-odd communities which at present constitute what is known as "Greater Boston". Predicting a population of more than 2,000,000 for Boston if this plan is carried out, Frederick H. Fay '93, chairman of the city planning commission, expressed regret that its path at present is beset with serious obstacles. He said, in part:  
'If this were done, 'Real Boston'

### HARVARD DEFAULTS —UNION BOAT CLUB SECOND BY LENGTH

### Schulenburg, Cook and Stew- art Fail to Place in Singles or Doubles

Schulenburg, Cook and Stewart fail to place in Singles or Doubles

### ORR WINS SINGLES RACE

Coming in more than a length ahead of the field, the Varsity won its first race against Union Boat Club, the Junior Varsity, and the 150 pounders. Union Boat Club came in second a length ahead of the Jay-Vees, with the 150 pounders close behind Harvard, scheduled to participate in the race had not appeared at the time of the event, thus defaulting to Technology and Union Boat Club. The time for the race was 5 minutes, 45 and 3/5 seconds.

### M. I. T. Takes Lead

"The Varsity rowed well considering the short time in which they had to practice for the race", commented Coach Haines after the race. In spite of the glassy smooth water, and perfect rowing weather, the eight oared race was more than an hour late. The race started with the M. I. T. oarsmen taking the lead, with the Union Boat Club and the Jay-Vees close behind. As the boats approached the half mark the Varsity was slightly more than a quarter of a length in the lead, rowing steadily.

With a low stroke, the boats approached the finish with Technology and the Union Boat Club in a duel for first. As the crews went into the final spurt the M. I. T. first boat was about a half a length in the lead, increasing it to a length as the oarsmen crossed the finish line. The race was over the one mile course ending near the Boston side of the Esplanade.

In the Junior Singles, E. Schulenburg, representing the M. I. T. Boat Club, failed to place against the strong field of ten entries. The Junior Single race after the first half mile was a duel between Nat Orr of the Union Boat Club and Dunbar of (Continued on Page 3)

would be a single city and would be recognized for what it really is instead of remaining as it is today, a central community surrounded by forty satellite communities. The added prestige which Boston would gain by such public recognition of her rightful place among the really large cities of the world has long been urged as one of the reasons for the annexation of these neighboring municipalities".

The Administration of the Metropolitan District was the subject of a paper presented by Davis B. Keniston. Edwin H. Rogers, Frank E. Winsor, and X. Henry Goodenough presented papers on the park system, water supply, and sewerage, respectively.

Professor Charles M. Spofford described at length some details of the Lake Champlain bridge which was designed by him in collaboration with Messrs. Fay and Thorndike, the other two members of the well known Boston firm of consulting engineers. This bridge crosses a part of Lake Champlain which has long been a barrier to traffic between Northern New York and Northern Vermont. It is of the "Continuous steel truss" type, a form of construction resembling the arch, but lacking the disadvantage of the strong horizontal thrusts which an arch always produces.

**Dr. Thoma Speaks**  
Ing. D. Thoma, Director of the Hydraulic Institute of the Technische Hochschule at Munich, discussed the "Kaplan Turbines at the Ryburg-Schworstadt Plant on the Upper Rhine". It will be recalled that Doc (Continued on Page 4)

A Record of Continuous News Service for 48 Years



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

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Table with columns for MANAGING BOARD, ASSOCIATE BOARD, EDITORIAL DEPARTMENT, BUSINESS DEPARTMENT, and STAFF.

TRANSFERRED ALLEGIANCE

ONE fine thing about the All-Technology Smoker is that it offers entertainment for that large group of students at the Institute—the transfers.

There is a great deal of bally-hoo in extending a welcome to the freshmen. They are feted and dined, and much is done that they may "get the right start."

More than the entering freshmen, the transfers need assistance in their first months. Older and supposedly worldly-wise, they may scoff at the idea of needing help.

This year there were admitted to Technology two hundred and sixty-nine students with advanced standing. The whole group of transfers makes up a considerable percentage of the total enrollment.

For example, a man from a school in the Southwest perhaps finds it hard to mix with the New Englanders here at the Institute. Yet he would have a much pleasanter, more worthwhile time were he to avail himself of the many opportunities in outside activities.

SUBDUED DIABOLISM

FAR more gracefully than last year, the All-Technology Smoker has stepped up to account for itself, and retired again into the background.

Rowdiness is hard to avoid in an affair of this sort, but it was noticeably the Upperclassmen who forgot to conduct themselves as gentlemen.

That the closing of the first general gathering of the entering class without the traditional singing of the "Stein Song" lowered the plane of the function to a great degree was evident.

To the class of 1933 belongs the distinction of gentlemanly conduct at their first smoker.

As We Like It

THE METROPOLITAN

There is a profound lesson to the youth of today in the picture at the Metropolitan this week, "Fast Life," with Douglas Fairbanks, Jr., Loretta Young, and Chester Morris starring.

Seldom are popular movies tragedies, yet this all-talkie is sure to be well accepted despite its gruesomeness.

So-called "Modern Youth" is having a big party as the picture opens. Everybody gets drunk, and a jealous murder is committed.

The younger Fairbanks is a "chip off the old block," and though he lacks some of his famous father's dash, his acting is good on the whole.

To those who enjoy good music, Rubinoff's orchestra is becoming more and more popular. This week they give a special arrangement of Strauss' melodies, including the famous "Blue Danube Waltz," among other favorites.

WORLD NEWS

Far off Siam has connections with Technology. Peculiarly dressed Buddhist priests chanted prayers, while with them all Siam mourned the death of a young medical interne of the American Missionary Hospital.

From Russia comes the announcement of a new calendar. Undeterred by the failure of the French calendar of 1793 which died a natural death after 15 years, the Russian Communists have manufactured an "Eternal Calendar."

Civilization has last week learned of the murder of four thousand Moslems in one of China's most inland provinces. Mohammedans, who had been forced to flee for their lives, were given by the Governor of Kansu to return permission by the Governor of Kansu to return to their homes.

Intercollegiates

The Temple University football team has two guards whose weights total 606 pounds. One of them moves the beam at 310 pounds and the other is a close second with 296 pounds.

Plans are now in preparation for the annual road school of the civil engineering department at Purdue. This school lasts for five days in the middle part of January and attracts scores of highway engineers, surveyors, bridge commissioners and road construction engineers.

Radio Corporation to Manufacture Theremin "Ether Wave" Instrument

Prominent Musicians Declare It Will Revolutionize the World of Music

The Radio Victor Corporation of America has begun preliminary production of the first commercial models of the Theremin "Ether wave" musical instrument, which is played by simply moving the hands in the air above it, according to an announcement by E. A. Nicholas, vice-president.

This announcement is expected to revive the keen interest aroused some months ago in musical circles when Professor Theremin demonstrated the new musical instrument to noted musicians and the public, in the United States and Europe.

Not A Radio Receiver

The announcement stresses the fact that the Theremin is not a radio receiver, but an entirely new musical instrument which permits of the fullest personal expression and which can be satisfactorily played within a few hours.

Rudolph Ganz, the noted pianist, remarked when he heard this instrument, "There is nothing between the human being and the music itself—no wood, no steel, no string, no horsehair—and the personality of the

performer is more sensitively presented than on any other existing instrument."

Two Antennas For Tone And Volume

The Theremin produces musical sound by exclusively electrical means. It has no keyboard, string, reeds or other mechanical aids for manipulation.

When the human hand is brought into the sensitive electrical field surrounding the vertical antenna, the field is so affected that audio-frequency notes, or sounds, are produced.

The sounds originate from two oscillating circuits within the Theremin, which produce a heterodyne beat note varied and controlled by the position of the player's hand in relation to the vertical antenna.

Stokosky Praises Instrument

Leopold Stokosky, Conductor of the Philadelphia orchestra, said after he heard the latest RCA creation; "It is only a question of a few years before we shall have entirely new methods of tone production by electrical means.

THE EDITORIAL SPECULUM

That it is hard to consider every angle of a problem is evidenced by the view of Technology as one approaches from Central Square in Cambridge.

The Spectator could not help but think, as he walked by the other day, that the atmosphere of a trade school or a factory was too evidently thrust upon him, and after viewing the tentative plans for future Institute development, he wondered how these less beautiful parts are to be concealed, if at all.

No longer is the freshman subjected to indignities such as having his hair trimmed in fantastic designs, being compelled to play checkers at important street intersections during rush hours and having to satisfy his bent for play by rolling a hoop around the block.

Nowadays the average freshman is told exactly what he has to buy in the way of green cap, colorful tie, or whatnot, just as he is informed what textbooks he should purchase.

It is noticed by the Spectator with amazement that the number of pipes

BETTER FOOD Means a Better Year

THE ESPLANADE

Cafeteria offers it to you by GOOD SERVICE AND CLEANLINESS. Save 10% by using our Coupon Books. 23-25 Massachusetts Ave. at Beacon Street

and pouches at the Institute has increased many fold since last year. Perhaps the "free cigarettes" campaigns are having the reverse effect from what is anticipated by the advertizers.

VOO DOO CANDIDATES

All candidates for positions on the literary staff of Voo Doo are asked to meet in the Voo Doo office, third floor of Walker, Monday at 5 o'clock.

Horseback riding is now an accredited course at the Michigan State Normal College. For the first time in history college students are given credit for having a good time.



So the fez has fizzed!

Some of you college men must have been touring Turkey recently and thus innocently showed the Messrs. Turks what real hats looked like, with the inevitable result.

You see the same sort of thing happening constantly in our Hat Departments; college men casting aside what they had always imagined was handsome headgear in favor of the really smart variety we offer.

Can't blame them when our own hats for Fall start at \$5 with special Stetson's from \$8.50 up. And what of Fall socks, suits, topcoats? Have you? We have!

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### P. T. COMPETITION TO BE LATEST OF TRACK NOVELTIES

All First Year Men Eligible To Compete for Medals To Be Given

EVENTS TO BEGIN NOV. 1

New Competition Takes Form Of the Modern Decathlon In Point System

Freshmen will not find P. T. so boring this year and will have a chance to win material recognition of their superior physical prowess if they participate in the newest of the numerous attractions that track offers as a sport. This year will be the inaugural year for the freshman P. T. competition being conducted by Coach Oscar Hedlund. This new innovation in track takes the form of the modern Decathlon competitions and will be conducted much on the same lines as in the Ohio State Decathlon.

All freshmen will be eligible to compete in the P. T. competition. The events will be run every week beginning the first week in November and only one or two events will be held each week. A gold medal will be awarded to the highest point scorer of the year with silver and bronze medals presented to the second and third place winners respectively.

1000 Points for Record

The freshman P. T. competition consists of seven events. All competing men will take part in every event and the points gained will all be added into their total score. The points will be awarded on a graded scale with the highest award being 1000 points. This will be awarded to any man breaking an Institute record. In the running events the points will be awarded on a time basis while in the field events they will be awarded on a distance basis. For instance, if a man does the 100 yard dash in 10 1/5 seconds he will be awarded 1000 points. If he does it in 10 2/5 seconds his total award will be proportionately lowered. The same system will be used in grading the field events.

Seven Events on Program

Seven events will comprise the program of the competition. They are:

- 60 yd. dash
- 60 yd. low hurdles
- Shot put
- Broad jump
- High jump
- 440 yd. run
- 880 yd. run

All freshmen may enter this competition regardless of whether they are taking P. T. or not. In the competition, the best all around athlete will be the logical contender for first place honors. A man may be good in the running events but poor in the field events and thus cut down his total score. This makes the chances for winning more equal.

Competition Days Optional

Competing may be done any day of the week and the score made registered. As all scoring is done on a time-distance basis individual competing is permissible. The choice is left to the individual as to whether he will run alone or in competition with another man. The competition will continue throughout the year and the awards will be made in late spring. The point system to be used will correspond roughly to that used at the Ohio State Decathlon.

### Newcomers Defeat Seasoned Players In Tennis Match

Captain Wigglesworth Defeats Opponent and Advances In Singles

Credit for the first upset of the Fall Tennis Tournament goes to the doubles team Gale and Nee who defeated McCaskey and Lykes. Gale was singles champion of his high school last year in Tulsa, Okla., and will be a candidate for the freshman team. Nee is a transfer from Catholic University.

Twenty doubles teams are entered in the tournament. Four teams were seeded in the following order: Captain Wigglesworth and Cleary, Searles and Studley, Bender and Semple, F. Dame and E. Dame. All doubles matches must be played by tomorrow night.

Seeded Players Win

In the singles division all seeded players remain undefeated. Wigglesworth defeated Stotz 6-4, 6-2 and F. Dame defeated Green 6-0, 6-4.

Although the varsity schedule has not been definitely arranged, it will be completed by the end of the month. Tentative matches include Army, Yale, and Dartmouth. The freshmen team schedule will be announced later.

Sophomores and freshmen interested in the assistant manager competitions are asked to leave their names, addresses, and telephone numbers in the tennis box at the M. I. T. A. A. office.

FRESHMAN SOCCER

Men are needed for the freshman soccer team. All men interested are requested to report to Coach Welch on Coop Field any afternoon after four o'clock.

### M. I. T. LOSES SECOND PLACE TO HARVARD

Engineer Crew Takes Third Place in One Mile Doubles

(Continued from Page 1)

the Worcester Rowing Club. It was finally won by Orr in the time 7 minutes and 7 seconds. Mosher, of the Crescent Canoe Club, placed third more than two lengths behind the leaders, with Knight, of the Springfield Rowing Association, fourth.

Union Wins Doubles

In the one mile Intermediate Doubles, Cook and Stewart took a third against Union Boat Club and Harvard after leading the Crimson pair for more than half the distance. The race started with Union Boat Club taking the lead with a long smooth stroke which they kept the entire length of the course. For the first quarter the Cardinal and Gray oarsmen rowed slightly behind the leaders, being more than a length ahead of the Harvard Boat. As the doubles approached the half, the Engineers dropped behind and at the three quarter mark Harvard and Technology were even, with Union far in the lead. Harvard took second as the oarsmen went into a spurt, and crossed the line a length ahead of the Engineers, with Union more than three lengths in the lead.

The Senior Class of Lehigh University have adopted the custom of carrying canes to distinguish themselves from members of the lower classes. It is their intention to establish a lasting tradition at Lehigh by carrying a mark worthy of their dignity. The canes are well made and are selling for \$3.50.

At the American Gas Association Convention at Atlantic City, New Jer-

### FOREIGN ENROLLMENT PRESENTS A LESSON IN MODERN GEOGRAPHY

Practically every country in the world is represented in Technology's foreign enrollment. This list of foreigners at the Institute is incomplete as there are many who live in the United State and thus give their home address in this country. The following foreign home addresses have been given by enrolling foreign students:

Australia	3	Italy	1
Austria	1	Japan	5
Belgium	3	Lithuania	2
Bermuda	1	Mexico	13
Brit. W. Ind.	1	Norway	1
Canada	27	Palestine	4
Chile	1	Panama	8
China	33	Peru	1
Colombia	3	Philippine Isl.	7
Costa Rica	2	Porto Rico	6
Cuba	6	Russia	2
Denmark	1	Scotland	1
Egypt	3	Siam	5
England	3	Singapore	1
Estonia	1	So. Africa	7
France	4	So. America	6
Germany	6	Spain	5
Haiti	1	Sweden	1
Hawaii	3	Switzerland	1
Holland	1	Turkey	1
Iceland	1	Venezuela	3
India	9	Virgin Isl.	1
Iraq	1		

sey, an address was telephoned across the Atlantic Ocean, by David Milne-Watson, managing director of the Gas Light and Coke Co. of London, England. The message, the first one of its kind to a commercial convention, was amplified for the benefit of 6000 gas engineers.

A TASTY LUNCH  
WALKER SUITS ALL APPETITES  
THE GRILL 12-2 P.M.—CAFETERIA 7-2; 5-7 P.M.  
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# NOTICES - ANNOUNCEMENTS

## Of General Interest

**Hydraulic Turbines** Dr. Ing. D. Thoma  
**Monday, October 14, 2 P. M., Room 1-190**

Dr. Ing. D. Thoma, Professor of Hydraulics, Water Power Machinery and Water Power Plants, and Director of the Hydraulic Institute at the Technische Hochschule of Munich, Germany, is presenting a series of illustrated lectures on Hydraulic Turbines and Related Subjects in Water Power Plant Design. The topic of his fourth lecture will be "The Hydraulic Storage of Energy." The lecture will be illustrated by moving and still pictures.

The lecture is open to students and members of the instructing staff.

## CALENDAR

- Monday, October 14**  
 5-6 P. M.—Meeting of Freshman Rules Committee, Room 10-257  
**Tuesday, October 15**  
 7:30 P. M.—Voo Doo Smoker, North Hall Walker Memorial.  
 8:30 P. M.—Banquet of Armenian Club, Faculty Dining Room, Walker Memorial.  
**Wednesday, October 16**  
 5:15 P. M.—T. C. A. Smoker, Faculty Dining Room, Walker Memorial.  
 8-10 P. M.—Tech Show Smoker, North Hall, Walker Memorial.  
**Friday, October 18**  
 8:30 P. M.—Dorm Dance, North Hall, Walker Memorial.

## Undergraduate

### MISSING LIBRARY BOOKS

A number of books, taken in the spring term from the shelves in the Faculty Room, Walker Memorial, have not been returned. Among these are: "The Confessions of Jean Jacques Rousseau" in four volumes; an attractive edition bound in green morocco that formerly belonged to a private library on Beacon Hill. Another book of note is Goethe's "Faust," the sixth volume of a set of Goethe's Works in a specially printed edition which cannot be duplicated. The seventh volume of Byron from a set of seventeen volumes is also missing. There is one book missing from the Works of Barrie and from Conrad, Defoe, Emerson, Hawthorne, Maupassant, Anatole France, Tolstoy and Pergerew. Mrs. King asks that they be re-

turned to her at the Walker Memorial Library.

### CREW

Any freshman interested in the competition for the freshman crew managership is urged to report any night after five o'clock at the boathouse to Manager Genrick.

### P. T. SUBSTITUTION

All freshmen desiring to substitute crew for P. T. can do so by signing up any day in MacCarthy's office in the Walker Gymnasium between 9 and 12 o'clock. Medical certificates will be required.

An interesting tradition exists at the University of Pennsylvania whereby each senior class chooses in the school colors a blazer to be worn by the seniors. No other students are allowed to wear them.

## Voo Doo Smoker Held Tomorrow Night In Walker

### Members of Managing Board To Explain Opportunities In Organization

Phosphorus will hold open house for all the men at the Institute Tuesday evening at 7:30 in the North Hall of Walker Memorial Building. The purpose of the smoker is to acquaint the men with the activities of Phosphorus and his kittens around Technology. Smokes and refreshments will be served during the course of the evening.

Professor Winward Prescott will be the first speaker of the evening. He will speak on the value of an activity to the students. Charles T. Dwight '30, General Manager will introduce the speaker. Following this the men will split up into two groups and go to separate rooms where Bryant F. Kenney '30, Business Manager, will address one group on the work of the business department, and Otis A. Sibley '30, Managing Editor, will speak to the other group on the art and literary departments.

Heads of the different departments will then speak individually to the men interested in their particular fields of work. There are many positions open on the staff for freshmen and for all their men desiring to become connected with this activity. Phosphorus extends a cordial invitation to all the students to attend his smoker.

## SWIMMING TEAM TO HOLD MASS MEETING

All students who are interested in swimming are urged to be present at the mass meeting that will be held next Wednesday at 5 o'clock in Room 1-190. Coaches Dean and Brown will be present to explain to new candidates what they want to know about Technology's swimming team.

## "Foggy" Finds Himself In Wrong Pew Again

One member of the department of Mathematics has at least demonstrated that he is well named by the student body. "Foggy", as this gentleman is known, has gained a reputation around the Institute for being just that. The other day, he calmly strutted into a class room and seated himself in the first row as is his custom. Shortly after the bell rang, another member of the instructing staff walked in and proceeded to start the day's work. After several sheepish grins and vaguely mumbled apologies, "Foggy" quietly crept from the room, a wiser man. He was in the right church but the wrong pew again.

## PROF. GILBOY SPEAKS ON SOIL MECHANICS

### Institute Faculty Prominent as A. S. C. E. Speakers

(Continued from Page 1)

tor Thoma recently spoke on the subject of the Kaplan Turbines at a lecture given at the Institute, and is now presenting a series of lectures on the design of hydraulic turbines.

Professor Glenn Gilboy, Research Associate in the Department of civil Engineering spoke on "Research in Soil Mechanics at the Massachusetts Institute of Technology". Other members of the Faculty who took a prominent part in the discussions were Charles D. Breed '97, Professor of Railway and Highway Engineering, and George L. Hosmer '97, Professor of Geodesy.

At a formal dinner in the Hotel Statler Wednesday evening at which Professor Charles R. Gow presided, the delegates heard Robert Lincoln O'Brien in a speech in which he strongly criticized the American Electoral system. His talk was recounted in last Friday's issue of THE TECH. The meeting closed Friday with an all day bus ride around Cape Cod, followed by a dinner at Swampscott.

## PROGRAM AT SMOKER IS WELL RECEIVED

(Continued from Page 1)

Alexander Macomber '07 to John F. Bennett '30 for the undergraduates.

MacLaren Wins Swartz Medal  
 Edgar M. Hawkins '30, President of the M. I. T. A. A. then presented the Swartz Medal to Thomas F. MacLaren '30 for the work he had done as manager of last year's gym team. Hawkins also presented the Technique Cup. This award, which is given to the man who scores the most points on the track team, was won by Bob Grondal '31.

According to the amount of noise and enthusiasm with which the professional cabaret acts were received, that part of the program made a hit with everyone. The shower of pennies, paper airplanes, cigarettes, and firecrackers which they received slowed up the acts somewhat but did not succeed in stopping the show. Two reels of comedy of the vintage of 1911 or thereabouts, also proved entertaining to all. As usual the program was concluded with a raffle.

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## DEBATERS MEET TO DISCUSS YEAR'S WORK

One Debate Already Planned  
 —Six to be Scheduled

Plans for the coming year's work were outlined at the first meeting of the Debating Society, Thursday evening, Coach Dean Fuller presiding. A schedule of one preliminary contest, followed by three debates at home and three away, was decided upon. The invitation of the Sethlow Debate Council of Columbia University for a meeting in December was accepted. LaFayette University, New York University, College of the City of New York, and Vermont University are listed as possible opponents. The subject of debates which will be used throughout the season has not yet been chosen.

Muir '30, Pentler '32, McConnell '33, Hodge '31, Boynton '31, Shellard '31, Harington '30, Mackesey '32, and Keyser '29, comprise the group from which the Varsity debating team will be selected. There will be the usual freshman team this year with a light schedule of work. Dean Fuller urges all those of the class of '33 who have had experience in debate to be present at the next meeting of the society, Thursday afternoon, October 17th, at five o'clock in room 2-17. It is also advised there is an opportunity for an enterprising freshman to act in the capacity of team manager.

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## FRATERNITY PLEDGES AT TECHNOLOGY

### ALPHA TAU OMEGA

- Charles Anderson '33  
 Harold Burley '33  
 Edwin L. Gold, Jr. '31  
 Edward W. Sann, Jr. '33  
 Edward F. Thieler, Jr. '33  
 Francis W. Handley '33

### BETA THETA PI

- Manuel D. Asunsolo '33  
 David L. Babcock '33  
 Ralph Hayden, Jr. '33  
 John E. Logan '33  
 Earl A. Longfellow, Unc.  
 Harry L. Moore '33  
 William D. Moore '33  
 Charles E. Quick '33  
 Charles P. Woods '33

### CHI PHI

- Claude H. Bennett, Jr. G  
 Nathaniel T. Green '33  
 George Ropes '33  
 David B. Smith '33  
 Paul C. Wirtz G

### DELTA KAPPA EPSILON

- Franz Von Arnim '33  
 William Barbour '33  
 John Brandli '33  
 Richard Holder '33  
 Bretton Perry '33  
 William Walcutt '33

### DELTA PSI

- Smedley D. Butler, Jr. '33  
 Albert M. Patterson '33  
 Donald A. Thompson '33  
 Hollinshead T. Morgan '33

### DELTA TAU DELTA

- Robert R. Anderson, Jr. '32  
 Charles W. Ball '33  
 George W. Dennison '33  
 Albert G. Frost '33  
 Frederick H. Garber '33  
 Reuben M. Hurt '33  
 Loren H. Nauss '33  
 Benjamin F. Sands '33  
 David E. Stalter '33

### DELTA UPSILON

- Robert W. Tripp '33  
 Ralph E. Cross '33  
 George F. Koeller '32  
 John D. Rumsey '33  
 Arnold C. Childs '30  
 James A. Leighton '30  
 Charles A. Leighton '30  
 Charles M. Thayer '32  
 Raymond H. Schaefer '32

### LAMBDA CHI ALPHA

- Bennett Archambault '32  
 Charles Wallace Bohrer '32  
 Paul Myer Gerhard '32  
 Courtenay Douglas Marshall '32  
 Edward Everett Pierce, Jr. '33  
 Samuel Chase Prescott '33  
 Edward Sargent Rowell '33  
 Norman Arthur Russett '33  
 Joseph May Stowell '32  
 Joseph John Winkler '32

### PHI BETA EPSILON

- Charles Burnham Stearns '33  
 Herbert Page Beers '34  
 Johnson Couch '33  
 John Porter Weeks '33  
 George Lyman Lovejoy '33  
 Thomas Macy Chadwick '33  
 Robert Holt '33  
 Gustave Kidde '33  
 Pierre DuPont '33  
 William Winder Laird '33

### PHI GAMMA DELTA

- Jack F. Andrews '33  
 Morris L. Brown '33  
 E. Richards Carle '31  
 Charles V. Case '33  
 Berton T. Ellis '33  
 Samuel B. Farnum, Jr. '33  
 John Hammond '33  
 Burt E. Moritz, Jr. '32  
 Daniel B. Mitchell '33  
 Leland M. Person '33

### PHI KAPPA

- Jamca B. Bremmer '34

### PHI KAPPA SIGMA

- Walter R. Duncan '33  
 Fred L. Haas '33  
 Walter C. Backus '33  
 Wilber B. Huston '33  
 Robert M. Trimble '33  
 Louis H. Flanders, Jr. '33  
 Louis P. Kooker '31  
 Robert B. Mills '32  
 Paul E. Davis, Jr. '33

### PHI SIGMA KAPPA

- Carl A. Carlson '33  
 Frederick H. Cooper '33  
 Peyton G. Cooper '33  
 Allison R. Dorman '33  
 J. Randolph Fox '33  
 John J. Harmon '33  
 Patrick N. T. Morris '33  
 Leonard H. Saunders '33  
 George D. Wood '33  
 Edward Woodbury '33

### PHI MU DELTA

- George F. Garcelon '33  
 Edward H. Hayes '33  
 Lawrence W. Littrell '33  
 Andrew F. Rankin '33  
 Bertram H. McLeod '31

### PSI DELTA

- Clarence W. Farr '33  
 William V. Goodhue '33  
 Willard J. Hall '33  
 Herbert M. Larrabee '33  
 George V. Sweetnam '32  
 William A. Kilbourn '33  
 Mortimer J. Williams '33

### SIGMA ALPHA EPSILON

- Edward D. Rohn '33  
 Gilbert A. Gurowich '33  
 Robert R. Hulbert '33  
 Lawrence M. Hubbard '32  
 John A. Roos G  
 Nicholas E. Rothenthaler '33  
 William L. Wells '32

### Samuel E. Lambert, Jr. '33

- Kennedy H. Clark '33  
 Le Roy Parsons '34  
 Richard L. Schepmoes '33

### SIGMA ALPHA MU

- Ralph N. Rosenbaum '33  
 Samuel P. Baum '33  
 Robert B. Ripin '33  
 Malvin J. Mayer '33  
 Myron Wipp '33  
 Henry Grinsfelder '31  
 Norman Pressler '33

### SIGMA CHI

- Edward L. Bateman '33  
 John R. Clarke '33  
 Malcolm D. Davis '32  
 Frank F. Gilmore '33  
 Frederick Hale '33  
 Douglas A. Hart '33  
 Asa H. Jewell '33  
 Gerard M. Kincaid '33  
 Richard C. Marcy '33  
 David R. McGregor '33  
 John D. Millburn '33  
 Henry H. Orr '32  
 James W. Smith '33

### SIGMA NU

- A. Stanley Brown '33  
 Edward E. Burritt, Jr. '32  
 G. Russell Eddy '33  
 Stuart R. Fleming '32  
 Rodman P. Getty '33  
 Cyrus S. Hapgood '33  
 John G. Mesker '33  
 Willard A. Meyer '32  
 James P. Mills '33  
 Gordon E. Powers '33  
 Russell S. Robinson '32  
 John F. Strickler '32  
 Richard G. Taylor '33

### THETA CHI

- Donald B. Gilman '32  
 Wesley H. VanBuren '32  
 Charles C. Bell '33  
 Arthur S. Brown '33  
 Roger P. Congdon '33  
 Oliver Damon '33  
 Robert A. A. Hentschel '33  
 Charles S. MacNeil, Jr. '33  
 Richard S. Morse '33  
 Eugene M. Nohl '33  
 William W. Pleasants '33  
 Robert F. Shepherd '33  
 George A. Stoll, Jr. '33

### THETA DELTA CHI

- Herbert Ross '32  
 Henry Guenther '33  
 Harry Kroger '33  
 David Ballentine '34  
 Lawrence Huron '33  
 Elmer Wood '33

### THETA XI

- Harry Slade '33  
 Gordon Thompson '33  
 Anton H. Brockleman '33  
 Harold B. Robb '32

### TAU DELTA CHI

- M. George Green '33  
 Lawrence Morrison '33

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