



Elections Will Be Held Wednesday After Vacation

Candidates' Submissions Must Be In Hands of Committee Before April 22

Committee Warns Voters To Follow Voting Rules Closely

Polls To Be Open In Main Lobby Between 8:30 And 5:20 O'Clock

Wednesday, April 24 has been set as the date of the Class Elections, the Elections Committee announced last night. This is the first Wednesday following the close of the spring vacation.

Polls will be open in the Main Lobby from 8:30 to 5:20 o'clock.

Information

All information submitted by the candidates in accordance with the new regulations must be in the hands of the Elections Committee by 5 o'clock Monday, April 22, the committee declared. This information, which is requested but not required, includes the statements of cumulative rating and residential group, tabulated activities record, and a 4 by 5 inch photograph. All such material should be deposited in the mail box on the door of the Institute Committee office in the basement of Walker Memorial.

This information will appear on posters placed in the lobby during the election. It is planned to arrange the statistical data under the photographs of the candidates.

Voting "Don'ts"

The committee issued several warnings in regard to voting, emphasizing the fact that according to the preferential system, voters must indicate their choice by placing numbers opposite the names, in accordance with their preference. Any ballots marked with crosses, checks, or any other mark not in accordance with the requirements, are not included in the count.

Voters are also instructed to vote with their own class, since no exceptions are permitted except by approval of a written petition submitted to the Chairman of the Elections Committee, as stated in section 3 of article

(Continued on Page 4)

Elections

Mechanical Drawing Visualization Aided By Moving Pictures

Detailed Student's Drawing And Machinist's Operations Shown In Film

In order that students of mechanical drawing can more easily visualize actual machine operation, the Division of Visual Education of the Institute has produced a motion picture entitled "The Graphic Representation of Machine Operations." This film was made in co-operation with members of the Institute's drawing staff.

The film opens with a detailed view of a machine drawing just completed by a student in the drawing room. Then there is shown a machinist who performs each fundamental operation called for in the drawing. Drilling, tapping, boring, counterboring, countersinking, and lathe and hand work are depicted, as well as the operations of planer and gear cutter, and external and internal thread cutting, both in the thread cutting machines and on the lathe. The film closes with a repetition of the original drawing, which gradually fades into a picture of the actual completed machine.

The Division has also recently released three motion pictures which presented, for the first time in visual animated form, the behaviour of an electric wave as it travels through a 250 mile transmission line.

Spring Concert Dance April 26

Glee And Banjo Clubs Appeared In Special Program At Stoneham

Designated as a "Frolic" the Spring Concert and Dance given by the Combined Musical Clubs will be held on Friday evening, April 26. This year the combined clubs will present an early evening concert in co-operation with the Boston University Girl's Club. After the musical program there will be dancing until 2 o'clock. John Scully and his orchestra will provide the music.

These musicians who have recently completed an engagement in Bermuda, played in several cities of Europe last summer. Scully, an alumnus of B. U. has played at several college dances around Boston.

Concert Presentations

The concert presentations are to be about twelve in number, featuring varied selections by the Banjo Club, the Glee Club, and the Symphony Orchestra, under the direction of William E. Weston and George Hoyen.

William O. Nichols, '36, publicity manager of the Clubs, has made the announcement that tickets, at \$1.75 per couple, are to be on sale in the Lobby of Building 10 between the hours of 12 and 2 all next week, and that they may also be obtained from almost any member of the clubs.

Program Last Friday

Last Friday evening the Glee Club and Banjo Club appeared in a program at the Stoneham Teacher's Club at Stoneham High School, where the presentations found popular approval, especially the numbers sung by the octette. This group is composed of the following men: Richard L. Hughes, '35; Louis F. Birchall, '35; Harold H.

(Continued on Page 4)

Musical Clubs

Catholic Clubs To Hold Their Annual Convention Soon

Dances And Teas Will Mark Three Day Gathering April 26, 27, 28

The New England Province of the Federation of College Catholic Clubs will hold their annual convention in Boston, April 26, 27, and 28.

The gathering will open with a formal dance in the Louis XIV Room of the Hotel Somerset on April 26. Music will be played from 9 to 2 by Eddie Murphy's Hotel Bancroft Orchestra.

On the following afternoon there will be a tea dance in the Empire

(Continued on Page 4)

Catholic Clubs

Varsity Crews Meet Yale At Quinsigamond Saturday In First Race of the Season

Will Meet Yale Saturday At Worcester



Photo of varsity crew taken yesterday at boathouse landing prior to their regular workout

Crews Meet Yale At Worcester On Sat. Afternoon

Freshmen Heavies And 150's Meet Browne and Nichols In Morning

Varsity Boat Light But Fast; Chances of Victory Best Ever

Guy Haines Strokes Varsity In Opening Race Of Season

Coaches Bill Haines and Al Dunning will both spend the spring vacation giving their respective charges two workouts each day in grooming them for their coming races next Saturday morning and afternoon. In the morning, the freshmen 150's and heavies take on Browne and Nichols, here at the Charles at 11:00 A. M. In the afternoon, Technology's 150's, J. V.'s and Varsity, meet Yale on Lake Quinsigamond up at Worcester.

150's Lost to Yale

In last year's race, Technology's Varsity and J. V.'s were beaten by Yale. The 150's however, lost to Yale but led Cornell to the finish by ten feet. All the way, Tech's powerful 150's lead both boats and at the half mile, they had a lead of a length. Nearing the finish, the crew went off course and Yale swept by to win. The boat quickly readjusted its course and with a mighty effort just barely led Cornell to a truly dramatic victory.

Varsity Chances Good

This year's chances of victory are somewhat brighter than they have been in the past, due mainly to the fact that this year's varsity shapes up much better at this early time than ever in the past. This year's varsity, although unusually light, has so far lowered the varsity record for the

(Continued on Page 3)

Crew

Awards Will Be Made For Research Theses In Sigma Xi Contest

Three Best Theses To Be Given Cash Prizes; \$50 For First Award

Preliminary lists of candidates for the Sigma Xi awards of fifty, thirty, and twenty dollars for the three best theses embodying the best research in the sciences will be made this week. The theses must be among those submitted for the B. S. degree during the year previous to the awards; the awards will be made at the Commencement Exercises.

Theses are to be judged first for the research presented, and second for the way in which the subject matter is presented. To be eligible for the prizes, the thesis must be accompanied by a signed statement of the author's intention to enter in the competition and all theses must be handed in to a member of Sigma Xi designated by the committee by the last day set by the Faculty for the receipt of theses.

Sigma Xi members from each department elect a committee to receive the theses and select from them the three which they believe the best, submitting at the same time a written statement of the merits of the theses

(Continued on Page 3)

Sigma XI

Dutch Treats To Be Debated Here

Radcliffe Upholds Affirmative Against Technology's Veteran Team

In a novel debate to be held with Radcliffe College, the Technology Debating Society will uphold the negative on the question, resolved that: "Dutch Treats are desirable." They will meet in the Eastman Lecture Hall on Tuesday evening, April 23, at 8:00 o'clock. The Radcliffe team which will uphold the affirmative comprises: Carol McCormick, '37, Shohig Terzian, '37, and Virginia Jones, '38.

The Technology veteran team is composed of: Phillip R. Scarito, '37, Paul A. Vogel, '37, and Robert Treat, Jr., '38. The speakers will be given four, six, and six minutes respectively to argue their side of the question followed by a four minute rebuttal.

An interesting fact is that Miss Jones, Vogel, and Treat, who are veteran debaters from high school days, come from the same high school in Schenectady, New York.

Mrs. Henry G. Pearson, wife of Professor Pearson of the English Department, will preside as chairman. Professor Robert E. Rogers will comment on the proceedings.

Following the debate the debating society will hold an "anti-dutch treat" dance in the 5:15 Club Room to which ladies will be admitted free and gentlemen for twenty-five cents.

Tau Beta Pi Will Hold Initiation

Dr. Vannevar Bush Speaks At Fiftieth Anniversary Dinner

Tau Beta Pi will celebrate its fiftieth anniversary with a joint initiation and banquet on Thursday, April 25, in the North Hall of Walker Memorial, with Dr. Vannevar Bush as main speaker. Professor Walter C. Voss will be toastmaster.

The initiation will take place at 6 o'clock, and will be followed by the banquet scheduled to begin at 7:30 o'clock.

Basis of Membership

Tau Beta Pi is the national honorary engineering fraternity, picking its membership on the basis of scholarship and participation in activities. Candidates must be from the third or fourth years of the engineering courses. In addition to the chapter here at Technology, Tau Beta Pi has also been instituted in several neighboring schools: Harvard, Tufts, and Worcester Polytechnic Institute.

Initiates

The new members to be initiated at this meeting are as follows: Edward F. Everett, Jr., '36; William W. Garth, '36; David J. Gildea, Jr., '36; Martin A. Gilman, '36; John P. Hamilton, '36.

Anton E. Hittl, '36; Allen W. Horton, Jr., '36; Edwin A. Kass, '36; Walter K. MacAdam, '36; William R. Saylor, '36; Thomas N. Wilcox, '36.

Test Shows That Princeton Professors Are Lost Outside Their Own Sciences

How much do you know about fields outside your own? Are you a narrow specialist or is your education really broad? Members of the Princeton Chapter of the American Association of College Professors in a recent test indicated that they were unable to answer many "comparatively simple questions outside their own fields," according to an article in the Princeton Alumni Weekly.

The examination was made up by taking two statements connected with each department of the university. These were to be marked true or false. To prevent guessing, two points were subtracted for each incorrect answer, while one point was given for each correct answer. The highest score was made by a professor of modern languages, who had twenty-two correct answers and three errors, for a score of 16. The next highest score was made by a physics professor, with fourteen correct and no mistakes. The lowest score was minus eleven,

Following is the list of forty-one questions. In order to compare your score with the professors' remember that two points are taken off for every incorrect answer, so beware of guessing.

Test Your Knowledge

1. Solon was the author of the saying, Know thyself.
2. Adam Smith was indebted to the Physiocrats in the "Wealth of Nations."
3. Observations confined to a closed room can detect the earth's axial rotation.
4. J. A. D. Ingres is noted as a master of line drawing.
5. Recent developments in the manufacture of steel wire have emphasized the economy of cantilever as compared with suspension bridges.
6. The President of the United States may not veto specific items in appropriation bills.

(Continued on Page 4)

Quiz

Menorah Society Gives Intercollegiate Dance

Local Chapter Will Hold Dance Here Next Week

The third Intercollegiate Menorah Dance was held at the temple Kehilath Israel last Saturday at 8:30 P.M. Music was furnished by Chappy Goldman and his orchestra. Until now the Intercollegiate Menorah dances have been held at Walker Memorial, but the committee thought a change of atmosphere would be welcome.

Approximately 250 persons attended, representing Technology, Harvard, Tufts, Simmons, Radcliffe, Teachers' College, Emerson, and Portia Law School. Refreshments were served at 10:30 and the dancing lasted till midnight. This is the final affair of the season for the Intercollegiate Menorah, but the Technology Chapter will hold an informal dance April 26, in the 5:15 Club Room. Tickets will be available for members and their guests.



Vol. LV APRIL 16, 1935 No. 20
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Managing Board

General Manager Elwood H. Koontz, '36
Business Manager Ralph D. Morrison, Jr., '37
Managing Editor Anton E. Hittl, '36
Editor Richard L. Odiorne, '36
Associate Business Manager Benjamin B. Dayton, '36

Editorial Board

Milton B. Dobrin, '36 Louis C. Youngs, '36
Jackson H. Cook, '36 Charles A. Blessing, '37

Associate Board

Assistant Editors

Joseph A. Smedile, '37 Arthur M. York, '37
Lawrence R. Steinhardt, '37 Richard G. Vincenz, Jr., '37
Elmer C. Wirtz, '37 Robert E. Katz, '37
Albert A. Woll, '37 Leonard A. Seder, '37

Business Associates

Allan I. Roshkind, '37 James G. Loder, '37
Charles R. Kahn, Jr., '37 Walter T. Blake, '37

Staff Assistants

Charles W. Smith, '35, Francis H. Lessard, '36, F. J. Baggerman, '37,
H. B. Marsh, '37, W. B. Penn, '37, H. K. Weiss, '37, D. A. Werblin, '36,
G. M. Levy, '37, I. Sagalyn, '37.

Offices of The Tech

News and Editorial—Room 3, Walker Memorial, Cambridge, Mass.
Telephone KIRKland 1882

Business—Room 301, Walker
Telephone KIRKland 1881

SUBSCRIPTION, \$1.80 Per Year

Published every Tuesday and Friday during the College year,
except during College vacation

Entered as Second Class Matter at the Boston Post Office
Member Eastern Intercollegiate Newspaper Association

Night Editor This Issue: J. E. Pollack, '38

HIGH AIMS, WRONG METHODS ANTI-WAR STRIKE

THE manner in which the anti-war strike last Friday at eleven o'clock was received by the large majority of students should be sufficient evidence to the groups sponsoring the demonstration that such methods of bringing about international peace are ineffectual. The aims of the groups which staged the demonstration, namely, to stimulate student interest in the problem of war, and to discuss ways of furthering peace, are aims which should arouse the active support of every intelligent student. But Friday's occurrence is proof of the fact that the "strike" method merely arouses ridicule, and results in a net loss to the cause of peace.

The observer in the Great Court last Friday could have no illusions that great numbers of Tech students had united to express their serious opposition to war. They came merely to have a good time at the expense of those whose interest in the whole affair was genuine.

Yet the opposition to the strike was not prompted by any militaristic sentiment on the part of those joining the shouting. Few of those who booed the speakers did so because they believed that war is a good thing. Few of them had ever given serious thought to the matter, and therein lies the irony of the whole situation. While The Tech does not believe in the effectiveness of the "strike" method, at the same time we cannot condone the disturbance and counter demonstrations of the revelers. Such behavior is unsportsmanlike and unworthy of the dignity befitting an educational institution. The counter demonstrations were contrary to the stated wishes of the administration, and the noise-makers in uniform were violating deliberately the orders of the head of the military science department. The group holding the meeting had secured permission from the authorities; the disorder occasioned by the opposition groups was from any point of view uncalled for.

Obviously the demonstrations were not directed toward pacifism as such; they were quite decidedly aimed at the supposedly radical groups that were sponsoring the strike. There is little doubt that the desire of the anti-war organizations is sincere; but it is regrettable that the tactics they use to bring the matter before the public eye more often lead to antagonism than to sympathy. Too often their methods undeservedly discredit pacifist movements with no objectionable political biases.

Too widespread is the attitude sponsored by the adolescent Hearst newspapers that communism and pacifism are bed-fellows. Their account Saturday of "patriotic students" hissing down the speakers at Technology the day before is a cogent example.

Despite the strikes and riots, the fact remains that war is one of the most imminent problems facing a troubled world today. It is a thing that merits the serious consideration of everyone, especially the nation's youth, and it is not the laughing matter which the funsters made it out to be last Friday. Most of us do not agree with the methods by which radicals hope to end war. Yet we cannot hope to devise any better or more workable ones unless we give the whole question our most serious consideration.

THE ENGINEER ELIMINATED

VICTIMS OF EFFICIENCY

THAT the engineer has not been immune from the effects of "technological unemployment" is clearly brought out in a study compiled by the Society of Civil Engineers, which reveals that 40.2 per cent of civil engineers are at present jobless and 48 per cent of municipal engineers employed in 1927 have lost their jobs. Because almost half of the engineers in this country are civil engineers, these figures may be considered representative.

Martha Andrews, in an article entitled, "Engineers in the Scrap Heap" appearing in a recent issue of *New Masses* declares, "The engineer as a prophet of Taylorism, mechanization and standardization is himself standardized and eliminated. . . . Not only is the engineer thus partially the cause of his own unemployment, but his work also involves introducing certain qualitative changes in to his economic status which operate to his own disadvantage."

Present conditions of unemployment indicate that large numbers of youthful engineers coming out of college will fail to find places in the definite fields for which they are preparing. In planning for the future students in engineering schools must take these facts into account. If a student is not fortunate enough after graduation to find a position in his intended field, he is obliged to "take what he can get." So much has been said about "preparing the engineer for society" that the phrase has lost its force and meaning. And yet students need constantly to be reminded that a narrow, highly specialized course at college is not the best road to success.

With The American College Editor

Hearst—The Vanguard

The Hearst press has embarked upon a campaign which seriously threatens every vestige of independent thought and action in American education.

Carried on in the name of "Americanism", which Mr. Hearst so zealously adopts to shield his endeavors, it is represented as a drive to "expose communism in the schools."

There is a grave evidence, however, that this hysteria is directed, not against a single political element, but against all dissenting thought. It does not distinguish between faint pink and deep red. It classifies liberal and radicals alike as "public enemies"—to be investigated, then imprisoned or deported. It is a deliberate, ruthless attempt to stifle freedom of inquiry and expression and to impose upon American education the terror which characterizes education in Germany.

Thus far Mr. Hearst has concentrated his fury at Syracuse and Columbia Universities where he assigned agents to spy on professors suspected of "radical tendencies". At Columbia his efforts were bared by Professor George S. Counts who forced a reporter to admit that the "Hearst papers are now stirring up a 'Red Scare'." These steps, the reporter confessed, are part of a nationwide scheme, apparently aimed at the ouster of all those educators who challenge the precepts of Mr. Hearst and the super-patriotic machine he symbolizes.

Mr. Hearst exerts real influence in America. His activities, however ludicrous and fantastic they may appear, reach millions of readers throughout the country. He can be instrumental in provoking the mass hysteria which set the stage for the introduction of fascism in Germany. He can, in alliance with other "100 per cent American" organizations, so provoke and bewilder the great body of American people that independent research and dissenting opinion will be summarily banished.

Mr. Hearst is a menace to the academic freedom which students and Faculty have fought many bitter struggles to preserve. Now, more than ever, in a world fraught with disorder and insecurity, its preservation is most vital. Mr. Hearst declares he seeks to keep the mind of youth "clean and wholesome". We contend that he is advocating the academic goose-step. We believe that the economic and political facts of life should be open to scrutiny, analysis and decision; we see in Mr. Hearst's policies an attempt to suppress any consideration of them.

Faced with this crusade of reaction and the disaster which it foreshadows, we pledge our forces to combat it. We condemn Mr. Hearst's "Red Scare" and the super-patriotic, fraudulent devices he is employing to achieve his ends. The signatories to this statement represent widely divergent conflicting political beliefs. We are in accord, however, in our opposition to fascism. We interpret Mr. Hearst's onslaught as the vanguard of fascism in America; we will use our editorial influence to help stem the tide, to challenge and oppose this crusade aimed at Hitlerizing American education.

—Daily Pennsylvanian



Strike Fizzes

It was a very successful strike, considering everything. That is, from the viewpoint of the student body. We met one young man who yelled himself so hoarse that he could hardly speak above a whisper for two hours. He had cut half an hour of a two hour lab period to exhibit his overflowing enthusiasm, and when his instructor reprimanded him, (that doesn't do it justice) all he could do was whisper, "yes sir".

As we predicted, the strike didn't appeal to students at all from a serious viewpoint. It really shouldn't have been called a strike. That was what aroused the spirit of competition. And of course, the N. S. L. deserves credit for the counter demonstrations. They were a little too enthusiastic with their red skulls wearing R.O.T.C. caps. But it was a lot of fun. Probably next year it will degenerate into a very fine riot.

Flag Poles

By the way, did anyone see the "red flags" supposedly tacked to the top of the two flagpoles the morning of the strike. We rushed over to the Drive as soon as we read the article in a Boston paper, but nothing unusual was in evidence. That was at about eight o'clock. No one else as far as we can ascertain had seen the radical propaganda. And we're wondering whether the reporter who turned in the story to the well-known paper was not trying to out-Hearst Hearst. If the story was true, all the culprits have to do to gain undying fame is to write us an exclusive story of the escapade. How about it boys?

Surprise

We have always been of the opinion that everyone was well acquainted with the habit of a staff photographer of working in the dark room without his pants on. That is, everyone on the staff anyhow. Well last night, there came a call on the telephone for the young man. A co-ed took the call, and dashed full speed for the dark room. Yanked open the door. Yeh, there he was. Well, after a few minutes of concentrated blushing by both parties the door was closed. Up came another staff member and pulled the door open. And so on. A crowd assembled, but the door was finally shut until the unfortunate photog could don his nether garments.

P. S. Another co-ed, prominent in the Sophomore class spent the next hour in the dark room with the photog. Watching him develop pictures.

Prophecy

Borrowing a few ideas from H. G. Wells, we would like to point out that Technology is leading the world to destruction, so all of you brownbaggers had better take a few years off. We refer to these instruments instigated by the Commuters, and the Dorm Dance Committee which measure the heat, weight, temperature, resistivity, combining power, value, and so on of the females which are brought to Tech lances. Going into the style of Mr. Wells, the following is an excerpt from a history printed in 2035 A. D. (Reign of ye intrepid Buck Rogers.)

"The year 1935 A. D. saw the movement to undermine the civilization of the time well under way. Students of the Massachusetts Institute of Technology, the most advanced technical institution of the period, became involved in experiments to determine the various qualities of the female body and personality. Assumed in an effort to increase attendance at dances, the research proved quite profitable. Young women who were given high ratings by the machines found themselves immensely popular. Having one's self analyzed by the machine became immensely popular. Wives and husbands were chosen from the ratings. The machines were improved. Soon a freshman coming to the Institute could be examined by the machine, and his rating for the four years given him before he entered a subject. The movement spread. Everyone's future actions could be predicted by the machine. Initiative and energy to pursue a new field disappeared, for there was no fun in doing something one had to do. Civilization

(Continued on Page 3)

Brother Alpha



In the Spring, we told Brother Alpha a young man's fancy lightly turns to thoughts of Love and Stuff like That. That's all pretty lucky for young man, says Brother Alpha, but look at the forms that swim and the shapes that creep all over an old man's fancy, come

this current spring.

You take the Walker Library, for instance. Here we planned to run a special this week on Eugene Lyons his *Six Soviet Plays*. We're all stocked up on 'em, but here's the American Legion, the D. A. R., the Dripping Daggers, the O'Shaughnessy Showder and Marching Society, and the South Boston Hunt Club all out with dark lanterns and diving rods on a still hunt for Indoctrinators of Reds in colleges.

If anybody knows we have that Seditious Propaganda, considering the constitutional yen those Patriots have for free speechmaking, there's bound to be a Nye Committee Investigation of the Walker Library. Imagine Brother Alpha with a midget on his lap, sitting there and taking all the Boing and Hissing of the Down-trodden Majority, when he has to tell the Committee that he thinks our present form of government might be improved. And if they find out that he felt that way so strongly that he voted for Herbert Hoover, and still thinks that would have been an improvement, where is he? Why there he is in the same bed with the N.S.L., the Liberal Club, and the Bright Young Men who view the present set up with alarm. Just as unAmerican as if he hadn't tried to join the militia in '98, when he found they were detailed to keep Cavers from landing on Spectacle Island.

Well, anyway, we've got *Six Soviet Plays*, all wrapped round in a red jacket with a Sickle and a Hammer embossed on it. This is real Drama of the People, but the Five Year Plans have failed to standardize the dramatic skill of the people. Two of the plays are stupid, two pretty good, and two in-between. Brother Alpha says it wouldn't be vodka to say which two, but he did let on that *Days of the Turbins*, by Michael Bulgakov, was about the aristocrats and that Nikolai Pogodin's *Tempo* was about an American Engineer, a Course I man by his costume. They all involve some novel staging: Constructivism, you know.

An anodyne antidote for the Big Red Scare is this Douglas Branch his very soothing *The Sentimental Years*. This is not a book about a young man's fancy, but rather Social History. Popular Social History, you understand, not Scholarship. What we mean is, you can read it. It's about the United States (My Country! Right or Wrong! Saluta! during the years 1836-1860, when most of the Patriots hadn't been born, or if they had been, it would have been in the Old Country. That's when the American Bourgeoisie was burgeoning, and interested in phrenology, mesmerism, Currier and Ives, Christy's Minstrel, Stephen Foster, and all manner of early Americana.

Another book was given to Brother Alpha by a friend. Consequently he was led to expect much of it, and consequently probably missed the point. It is Maurice Samuel his *Beyond Woman*, a novel. Beyond woman, it seems, is Mathematics. Not in the sense that M22 is beyond the Coods. But if you work like a dog in your business, and your wife fools around with Clark Gable, and you get tired of drinking with the boys, why, then, there's always mathematics. According to Samuel, even when your business suddenly booms, and your wife suddenly prefers your company to Gable's, mathematics is still better.

Then there is Herbert Gorman his novel *Suzy*. Suzy is the kind of girl to get ahead of whom mathematics would have to integrate pretty fast. She doesn't start out as much, just a local New England girl called Susan Dillworthy, but by way of a defunct honky-tonk show and the Lamb and Woolpack, she gets to Paris in 1914.

(Continued on Page 3)

Crew

(Continued from Page 1)

Henley distance here at the Charles. This might have been due to a strong wind, as some critics claim, but the credit should be given to the men on the boat. The boat this year has a majority of enthusiastic sophomores on the lineup, and this infusion of new blood has greatly added to the enthusiasm and moral around the boat house. Rowing on the river is no longer a grind, at least for the varsity men, since with so much latent power the boys are always eager to see what they can do.

The crew this year averages around 170 pounds, unusually light for a varsity boat, but this handicap is partly compensated for by the fact that all the boys are over six feet, thus assuring a long stroke.

The lineup for the meet this Saturday will find Guy Haines at stroke. Guy, Coach Bill Haines' son, will start his first varsity race at that time, and in spite of his light weight, should be one of the main sparks on the boat. Captain Al Hazeltine will be at 1, while Captain Al Mowatt takes care of number 2. The rest of the lineup finds Ferguson at 3, Stueck at 4, Thorson 5, Birch 6, Haskins at 7, and Hunt as Cox.

150's Chances Fair

The 150's don't shape up as well as the varsity at this time, but nevertheless their fine showing in pacing the varsity to a new record several weeks ago means that the boat has plenty of power, and after the boat works together a little longer, the boys should be in a position to duplicate last year's unusually good record.

With Dolben, Beckwith, Jaeger, and Captain Fassoulis back as veterans from last year's boat, the 150's lineup finds some new names on the roster. The lineup last night was: Bow, Clifford, Dolben 2, Beckwith 3, Phillips 4, Braver 5, Fassoulis 6, Jaeger 7, Grant at stroke, and Clark at Cox.

The J. V. lineup follows: Easton at Bow, Bixby at 2, O'Connor at 3, Graham 4, Captain Loewenstein at 5, Seelman 6, Olsen 7, Lawrence at stroke, and Hubbard at Cox.

Freshmen Unexperienced

As regards the freshmen this year, not much can be predicted so early in the season. All the boys on the boats are unexperienced with one exception. Draper on the first heavies rowed when at prep school. All the other boys are novices at the game, and this coming Saturday's meet will give them their first grueling test. The lineups for Saturday will be:

Frosh Heavies: Wilson, Bow, Montgomery 2, Hagerdy 3, Glacken 4, Church 5, Chapin 6, Captain Weir 7, Draper 8, Smith at Cox.

Freshmen 150's: Atwater, Bow, Bachelder 2, Preston 3, Piel 4, Hilken 5, Captain Guinders 6, Sarano 7, Morrison 8, Meeder at Cox.

Golfers Compete For Varsity Club Medal

Competition for the Varsity Club medal for golf will be held this week when aspirants for the Beaver golf team compete in an eighteen hole medal tournament at Albermarle. No definite times are set, permitting contestants to play at any convenient time before Easter vacation.

The Varsity Club medal is annually awarded to the best player in each sport. It is unfortunate that the golf winner must be determined by competition so early in the season, but this year's schedule is so compact that there is no other time for it.

The short tournament will serve a dual purpose in that it will give Coach Cowan and Captain Flood a line on their comin' team. It is even probable that the lowest four will play Tech's first match in less than two weeks. The Beavers face Boston College at Oakley, April 24.

Freshmen Gym Team Lose to Turnverein

The Freshmen Gym team lost their last match to Malden Turnverein in Walker Gym Thursday night by 38-16. Tech started for Tech by taking a first on the side horse and in tumbling. Captain Phinzy high point scorer of the season was unable to compete. The other places scored by the home team were Taylor, 3rd on the horse, Held 3rd in rings and the rope, Wheelis, 2nd in tumbling. The horizontal bar was conceded to Malden because of Phinzy's absence.

Ball Team Holds Game At Practice

Nines Picked At Random Play Short Contest; Weak Hitting

With the coming of the first good baseball day of the year yesterday, the first in a series of interteam practice games was held at the Coop Field. The two nines were chosen from the candidates for the Collegians team.

No score was kept of the five inning contest, for numerous shifts were made on both sides to give all the players some practice. The informal game showed that the pitchers to date are away ahead of the batters. Very few clean hits were made by either side, and as a result emphasis will probably be placed on batting at the next practice which will be held next Monday.

Abbott, Walsh, and Stoloff handled the moundwork for one side in yesterday's game, while Kenny and Downing twirled for the opposing nine. Walsh had the best control of the five, spending all his efforts in control work, and not throwing any hooks or bearing down at all.

Dick Smith, Wendell Fitch, and Brooks Morgan did all the receiving, with the first two men doing the most of the backstopping.

No practice will be held today, but long sessions are scheduled for next week. Next week's practices will be on alternate days, for interclass games are on tap for Tuesday and Thursday.

Brother Alpha

(Continued from Page 2)

Then there's International Intrigue, with Suzy placing a close second to Mata Hari, on all counts. Lots of action and excitement, including a kaleidoscope of the Joffre-Viviani good-will tour of the U. S.

Finally, if you want to make a noise like a 100 per cent American, you can study and then sing American Ballads and Folk Songs as collected into a thumping big book by John A. Lomax and little Alan. There are hundreds of songs of all the cow-punching, rail-splitting, seagoing, and bushwhacking parts of America, some even with music. Even "Yankee Doodle" and foreword by George Lyman Kittredge, the latter doubtless an old academic chant for a chorus of PhD's.

Sigma Xi

(Continued from Page 1)

which they are presenting for the department.

The Prize Committee is made up of chairmen of these departmental committees, each of whom stands ready to defend the theses submitted by his department. This committee then chooses the three best theses and having marked them in order of their appearance, votes the awards to these papers. The committee reserves the right to make necessary interpretations not included in the present rules of the contest.

Tech Gym Entries Out Of Scoring In Championships

Triple Tie For League Title Results As Navy Beats Army At Meet

A Navy victory over the West Pointers resulted in a triple tie for first place in the Eastern Intercollegiate Gym League among those two teams and Temple, as a result of the championship meet in Walker Gym on Saturday afternoon. The annual meet is to decide the individual championships, while the team winner is decided by the league standings.

Technology's four entrants failed to break into the scoring column. Captain Ernie Van Ham received a bad break when he was not able to perform the crucifix on the rings because of a bad arm. Jack Flaitz, Roger Needham, and Harold Miller were also entered in the meet.

Chester Phillips, Temple sophomore, was the individual star as he captured first places on the horizontal bar and the parallel bar, and won the individual all-around title. Ralph T. Jope, secretary of the M. I. T. Advisory Council on Athletics presented the medals to the place winners and also the league championship cup to the three winners.

Temple will hold the cup for four months when Army will take it for another four months and then the mid-dies will keep it for the remainder of the year. The triple tie resulted when Army defeated Temple, the latter won over Navy, and finally on Saturday Navy won over Army. All three of these teams had won the rest of their league meets.

THE TECH Inquires

This column endeavors to solicit student opinion upon selected questions. A reporter interviews students at random, in making his rounds about the Institute. Questions for this column may be submitted by readers. Open Forum comment on any of the answers will be welcomed.

Question for today: "The Institute Committee recently repealed its rule prohibiting the formation of voting blocs, but at the same time it forbade recognized activities from participating in elections. What is your opinion?"

Gilbert C. Mott, '37, II, Dormitories: "It seems to me that the distinction the Institute Committee has made will have little effect, since a 'voting bloc' may still be formed, unofficially, by the group participating in a given 'recognized activity.'"

Hart L. Livingston, '35, XIII, Dormitories: "This seems to me sound in principle, since it corresponds to the party

SPORTS COMMENT

Recently two Tech athletes, heretofore known chiefly for their abilities in swimming and boxing respectively, stepped out of their elements, so to speak, and showed that their proficiencies are not necessarily limited to those sports. We refer to Bob Granberg, swimming captain this past winter, and Rod Lucien, featured freshman boxer during the ring season just completed. A week ago Saturday Granberg dropped over to the handicap meet that Oscar Hedlund and Bob Bowie were running off and entered the competition. When the point totals were in, it was found that the swimming ace had copped the high individual score.

Lucien, the pugnacious Chinese lad from Trinidad, entered the handicap swimming meet last week as a completely unknown quantity. On the first day of the competition he surprised Max Untersee, the natators' mentor, by leading the field in his heat of the 100-yard event. Then on the last day of the meet, Lucien went out and led all his opponents to the finish mark in the dash. It is too bad that the swimming and boxing seasons come at the same time for both Untersee and Tommy Rawson could use this boy next winter. Lucien, however, will probably continue to push the leather under the tutelage of Rawson.

Through the courtesy of the Croft Brewing Company those at the boxing banquet last Thursday were treated to their fill of beer. This sounds like a commercial advertisement, but the fact is that the makers of the well-known beverage donated three cases of their product to the boxers and their guests. From what we hear the donation was a most welcome one, especially to a certain red-headed lightweight.

We note that Tau Beta Pi has honored four members of Engineer athletic teams by electing them to membership in the Tech chapter of the society. Two captains-elect are among the new members, namely Bill Garth of the hoopsters and Jack Hamilton of the soccer ball booters. Garth follows in the footsteps of Johnny Demo, the 1934-35 hoop leader, in attaining election to the ranks of Tau Beta Pi. Norm Wilcox, of Bill Haines' oarsmen, and Ed Everett, veteran from the 1934 golf squad, are the other two athletes elected.

THE LOUNGER

(Continued from Page 2)

was definitely on the down grade. Finally on the day of April 3, 1937, a well organized attack by a society originally organized in 1933 under the name of the Universal Student's Association, threw off the shackles of the machine, and taking over the government, forbade the production of any type of apparatus which could tell more about one's neighbor than revealed to sight, touch, sound, smell, or taste."

system in government. This allows the large living groups to elect the men best suited to represent their interests, but prevents the activities with their narrower interests from retaining undue representation."

Edward C. Edgar, 35, I, 410 Memorial Drive, Cambridge:

"Activities at the Institute have usually been associated with very definite interests. In my opinion any political campaigning on their part would tend to introduce much more of a favored competition for activity positions than is generally supposed to exist."

Welcome W. Bender, Jr., '38, XVI, Dormitories:

"The Institute Committee's action may prove to be a profitable experiment, but experience has shown that the privileges of 'voting blocs' are often abused, and will shortly be faced with the problem of restricting them further."

Joseph H. Klaber, '38, V, Dormitories: "I feel that while the decision was wise, it is too easily violated. Although an activity cannot endorse a man, the participants in this activity will form a bloc, and they undoubtedly will, as individuals, electioneer for their candidates."

Louis E. Garono, '35, X, Dormitories: "It's about time the matter was clarified. In my mind the committee has enacted a rule which cannot be enforced, and if 'voting blocs' are allowed to be formed, there should be no restrictions."

METALLURGY TODAY WE WILL TAKE UP THE DIVISIONS OF METALLURGY - CHEMICAL AND MECHANICAL TREATMENT OF THE ORE. Illustration of a man pointing to a chart.

SOME OF THE DIFFERENT PROCESSES FOR SEPARATING THE MINERAL FROM THE GANGUE ARE GRAVITY SEPARATION, FLOTATION, AND MAGNETIC SEPARATION. Illustration of a man with a magnifying glass.

THERE ARE THE PYROMETALLURGICAL, HYDROMETALLURGICAL, AND ELECTRO-METALLURGICAL PROCESSES OF EXTRACTING METALS FROM ORES. Illustration of a man with a speech bubble.

PIPE URGE THE BEST WAY TO EXTRACT FLAVOR FROM A PIPE IS TO TREAT IT WITH MILD, MELLOW, "NO-BITE" PRINCE ALBERT! IT'S THE TOP! Illustration of a man with a pipe.

PRINCE ALBERT IS AMERICA'S FAVORITE PIPE TOBACCO! Illustration of a man with a pipe and a pack of Prince Albert.

Quiz

(Continued from Page 1)

- 7. The roots of a general polynomial of degree higher than four are not complex numbers.
- 8. No substantial evidence for the early stages of animal development, suggested by the hypothesis of evolution, has ever been found within the pre-Cambrian strata.
- 9. When the enemy is overextended, neither flank is in the air, and time is important, an envelopment is the best form of attack.
- 10. A quarto is larger than an octavo.
- 11. From 1880 to 1925 silver was more stable than gold in terms of commodities.
- 12. If the rear wheels of an automobile are jacked up and the engine is in low gear, then the action of the differential is such that if you turn by hand the left wheel at 10 r.p.m. forward the right one will turn backward at 10 r.p.m.
- 13. Naevius originated the fabulae praetextatae.
- 14. Union with oxygen tarnishes silverware in the household.
- 15. Natives of Italy south of Rome have played a conspicuous part in the medieval and modern political development of that country.
- 16. Sainte-Beuve believed that the French liberal ideas of the eighteenth century were largely the result of the "libertine" ideas of the sixteenth and seventeenth centuries.

- 17. Kant said that space is empirical and not a priori.
- 18. A diplomatic officer of the United States, on being received for the first time by a foreign sovereign, presents his "letters of marque and reprisal."
- The First Alphabet**
- 19. The first known use of an alphabet was by the Phoenicians.
- 20. Marlowe was not the first to use blank verse in English tragedy.
- 21. No specific quality of nerve impulse has been found which distinguishes vision from audition.
- 22. In addition to his better known work, we have a number of sonnets by Chaucer.
- 23. Chromosomes are found in no cells of the body other than sex cells.
- 24. The rate of disintegration of radioactive elements has not been observed in the laboratory to increase markedly at high temperature.
- 25. The Arabians are the most typical modern Semites.
- 26. Cervantes, when he had become old and disillusioned, wrote a third part to "Don Quixote", in which some of his bitterest episodes occur.
- 27. F. H. Bradley taught that the ideal of self-realization is simply a refined form of egoism.
- 28. A member of the military service convicted by a general court-martial has no right of appeal to a United States civil court.
- 29. Sedimentary beds are thinnest along belts where there has been the maximum concentration of mountain-folding disturbances.

- 30. There is agreement among astronomers that Percival Lowell's mathematical prediction of the existence of the planet Pluto was as valid as the prediction by Adams and Leverrier of Neptune.
 - 31. Greek temples prove the efficiency of stone as the material for trabeated architecture.
 - 32. It is impossible to produce synthetically in the laboratory any of the hormones of the body.
 - 33. The four-dimensional analogue of a cube has twelve corners.
 - 34. Winter wheat district is determined by the Tschernosem soil belt.
 - 35. Frank Lloyd Wright believes that traditional classic architecture should not form the basis of modern American architecture.
 - 36. On June 21 the noon altitude of the sun would be about 26 degrees 30 minutes at Latitude 40 degrees south.
 - 37. Wagner invented the leitmotiv.
 - 38. The "glorious revolution of 1688" established democratic government for England.
 - 39. It was generally accepted that Duccio was strongly under the influence of Byzantine style.
 - 40. The centre for vision is in the frontal lobe of the brain.
 - 41. One gram of methyl alcohol added to one kilogram of water is more effective in lowering the freezing point than one gram of ethyl alcohol.
- The answers will be published next week.

Musical Clubs

(Continued from Page 1)

Everett, '35; David J. Buckwalter, '35; Gerald C. Rich, '35; Benjamin F. Lippold, '36; George A. Akin, Graduate; and Walter Saylor, '36.

"Amazing Magic"

"The magic lore of the East" was exhibited by Bernard Whitman, '35, and drew its share of attention, especially when the contents of his sleeves embarrassingly escaped and fluttered to the floor of the stage, causing general merriment.

Catholic Clubs

(Continued from Page 1)

Room of the Hotel Vendome between the hours of three and seven.

Sunday morning, April 28, a corporate communion breakfast in the Empire Room of the Hotel Vendome will follow nine o'clock mass at Holy Cross Cathedral.

Reservations and tickets may be secured from officers of the Technology Catholic Club.

Elections

(Continued from Page 1)

IV in the Constitution of the Elections Committee.

New Rulings

The election this year is the first to be held under the new ruling of the Institute Committee, permitting electioneering by the candidates. In addition, the restriction prohibiting voting

Dormitory Hall Chairmen Selected Last Thursday

Hall Chairmen were elected by the Dormitories in an election last Thursday, April 11. These men will form a part of the new Dormitory Committee, together with four members at large, and several appointed committee chairmen.

The Hall Chairmen are the following: Herbert M. Borden, '36, Wood; William O. Nichols, '36, Hayden; Kenneth L. Cook, '36, Munroe; Ariel A. Thomas, '36, Walcott; Francis H. Lessard, '36, Bemis; and Raymond C. Svenson, '36, Goodale.

blocks was removed at this election, although the committee continued the one preventing a recognized undergraduate activity from engaging in electioneering activities.

The Elections Committee reserves the right to drop from the rolls of nominees any candidate who is active in any but the prescribed fields.

Everything from a Sandwich to a Steak Dinner

AT Lydia Lee's

Opposite the Aeronautical Laboratory
136 Massachusetts Avenue
Change of Menu Every Day



AFTER A
HARD SESSION...



GET A LIFT
WITH A CAMEL!

"I'M NOT ONE of those 'natural born students' you hear about," says Capers Smith. "I have to buckle down and study to get results. When I'm not hitting the books, I work in the college bookstore from 12 to 4 every day. It's easy to see how full my time is! When I feel tired or 'logy,' I know that I'm nearing the end of my energy. Then I always smoke a Camel. It revives me—restores my energy. And each Camel that follows seems to be even more chock-full of that mellow, rich flavor! I smoke Camels steadily. They never tire my taste. And Camels never make my nerves jumpy." (Signed) CAPERS SMITH, '36



"I'M A NEWSPAPER WOMAN. It's absorbing work—but I have to put in long, irregular hours. When I'm feeling let down, I smoke a Camel to restore my energy and interest. Camels are a smoother smoke, too. They do taste better." (Signed) MARGARET E. NICHOLS

"IT'S A HARD, ACTIVE life—bridging the Golden Gate with the longest single span ever built. When I'm worn out, I light up a Camel. It quickly relieves me of tiredness. I smoke steadily—have for years. Camels never upset my nerves." (Signed) R. G. CONE, Engineer

CAMEL'S TOBACCOS
COST MILLIONS MORE!

"Camels are made from finer,
MORE EXPENSIVE TOBACCOS—Turkish and
Domestic—than any other popular brand."

(Signed) R. J. REYNOLDS TOBACCO COMPANY
Winston-Salem, N. C.



CAMEL'S COSTLIER TOBACCOS NEVER GET ON YOUR NERVES!