

Beaver Five Continues Victory March By Wins Over Harvard and Brown

ENGINEERS SPURT IN FINAL MINUTES TO DOWN CRIMSON

O'Brien Scores Winning Points;
Leads Team In Downing
Brown 42-26

FRESHMEN LOSE ANOTHER

By edging Harvard 14-12 last Friday and swamping Brown by a 42-26 score the following evening, the Technology varsity basketball team came through the hardest week of the schedule without a defeat, copping three games in four days. Starting off with a 60-30 win against Clark University last Wednesday, the Engineers came from behind to shade the Crimson on Friday, and went on to overwhelm Brown the next night. The team's record is now five victories to one loss.

Technology's victory over Harvard was undoubtedly the outstanding achievement of the team. Slight favorites on their season's record before the game began, the Beavers were forced to trail a fighting Harvard quintet until about three minutes from the final whistle. Both

(Continued on page three)

Thursday Is Last Day For P. T. Substitutions

Thursday noon, January 21, is the last day that signups for P. T. substitution can be made for the second term. These signups can be made any morning from 9 until 12 o'clock in Coach McCarthy's office on the third floor of Walker Memorial.

Radio Society Continues Work on New Transmitter and Receiver Set

Members Plan All Night "DX Party and Hamfest" At Institute Shack

The Radio Society has been in existence almost as long as the art after which it is named. The group that form this active undergraduate society are primarily radio transmitting amateurs. These men usually have government licenses giving permission to own and operate code and telephone stations. In the United States there are about 23,000 stations of this type that talk with each other on wavelengths below the broadcast band. With relatively low powers, communication is carried on between the far corners of the world. Here at Technology the Radio Society maintains W1MX for just this purpose. The school station is one of the best-equipped in this section of the country. There are high power crystal-controlled sets on the three most useful amateur bands assigned by the government. Work is rapidly advancing on a new set of transmitter and receiver for experimentation on the 56-megacycle band.

Aside from maintaining W1MX, the Society represents those students interested in the other forms of radio. It has been the policy for this year to hold lecture meetings each week when technical and semi-technical topics are discussed by professors, outside engineers, and well-qualified students. Occasionally demonstrations supplement the talks. There will be a great variety in the subjects to be treated at the meetings next term. The vital questions that confront engineers will be presented before the group by the type of speaker that has been successful heretofore.

Unlike most societies here at Technology, the Radio Society holds many

informal get-togethers throughout the school year. For example, immediately after examinations this term there will be what is termed a "DX Party and Hamfest," which will be in reality an all-night session at the Radio Shack, which is that small brick building between the track house and the Hangar Gym into which so many wires seem to terminate. According to the program, there will be an informal contest to see who can talk with the most foreign countries and continents. Plenty of good food will keep the crowd warm. Of course there will be many long yarns exchanged and plenty of real enjoyment for all those who are lucky enough to be interested in this fine hobby.

Messages Sent Free of Charge

Another phase of amateur radio consists of the sending and receiving of messages for no charge to and from all parts of the world. In this capacity, several hundred messages were handled last Open House Day. Throughout the year schedules are kept with other stations for just this purpose. Many interesting examples of speed in this service can be cited. Last year an important message was filed at the Shack by a student from an Asiatic city. In less than a few hours the copy had been transferred to an operator in Germany who subsequently relayed the message to its destination in a total time of only a few hours. This service is not at all common, due to variable atmospheric conditions.

The Radio Society cooperates with the Signal Corps Unit of the R.O.T.C. in the transmitting and receiving division of the Army work. The Shack houses the Signal Corps station W1BMX, which is control station for the New England Net. This year it is being operated by two Radio Society members, Charles W. Finnigan and Delbar P. Keily, both '34.

THE TECH Publishes Last Issue of this Term

THE TECH wishes to announce that this is the last issue that will be published this term. The new boards of Volume LII will take the reins again on February 8 when the next issue will appear.

Hayes, Clewell, Whitton and Smith Will Manage Vol. LII of THE TECH

Managing Board, Volume LII



DAYTON H. CLEWELL



JOHN G. HAYES



BEAUMERT H. WHITTON

COL. GREEN ENDOWS ATOMIC EXPERIMENTS

A generous endowment to Technology for the purpose of furthering experiments toward generating a 25,000,000-volt electric current was announced by Colonel E. H. R. Green of Round Hill, Mass., from his summer home in Miami, according to a United Press dispatch.

The experiments will be in charge of

(Continued on page two)



DAVID B. SMITH

Dorms Will Hold Dinner Dance In Early February

President and Mrs. Compton and Many Others Will Be Guests of Dorms

Continuing what was last year's most successful Dormitory social function, the Dormitory Committee is sponsoring again this year the dinner dance which was inaugurated a year ago to take the place of the Dorm Smoker. The date chosen for the event is February 12, the first Friday after the opening of the second term.

Guests for dinner will include President and Mrs. Compton, possibly President Lowell of Harvard, prominent members of the Corporation, and well-known alumni of the Institute. The position of toastmaster is to be filled by Professors Robert E. Rogers, the widely-known member of the English Department and columnist.

Music for dancing will be furnished by two orchestras from the Copley Plaza in Boston. From ten until one the regular ballroom orchestra of ten pieces will play. At 1 o'clock the Meyer Davis orchestra, led by Joe Smith, from the Sheraton Room, will take over the musical responsibilities.

Dinner is planned for 7 o'clock, preceded by Open House throughout the

(Continued on page two)

JUNIOR PROM SIGNUPS WILL OPEN ON FEB. 10

Signups for the Junior Prom will begin on February 10, the day after Registration and will last until February 12, according to an announcement made by the Junior Prom Committee this morning.

The price of the signups will be \$3.50, and a feature of the campaign will be a raffle which is to be held in connection

(Continued on page two)

FINAL BANQUET IS HELD AT SOMERSET WITH MANY GUESTS

College Editor Of Transcript
Speaks On Improving
The College Paper

HOLD ROUND TABLE TALKS

At the annual formal banquet of THE TECH, held last Friday in the Mahogany Green Suite of the Somerset Hotel, Charles M. Thayer '32, General Manager of Volume LI, and toastmaster for the occasion, announced the following elections to the Managing Board of Volume LII: John G. Hayes '33, General Manager; Beaumert H. Whitton '33, Editor; Dayton H. Clewell '33, Managing Editor; and David B. Smith '33, Business Manager.

Harland R. Ratcliffe, College Editor of *The Boston Evening Transcript* and the speaker of the evening, delivered an ad-

(Continued on page four)

Second-Hand Knowledge, Price \$1.50, Now on Sale

Thirst — not for religion but for second-hand knowledge — is driving the students to the T.C.A. office in the basement of Walker Memorial these days for cram sheets have again invaded Technology. For the small sum of one dollar and seventy-five cents the entire notes in "8.03" or in Economics, respectively, may be procured by those afflicted during the past term with writer's cramp or sleeping sickness, as first aid to a sagging grade.

Arrow-In-Block Puzzle Easy Meat for Technology Professor and Students

Harvard Intelligensia Astounded By Success of Institute Scientific Mind

The block must be revolved with the speed of the light about a mass point. If this is done it will have no mass. When it has no mass, it is comparatively a simple matter to thrust in the arrow, slow the machine down, and the feat is accomplished.

The arrow should be immersed in liquid helium. The liquid helium should be brought down to absolute zero. At absolute zero a body has no mass. Insert the arrow — success!

No, these suggestions are foolish, ridiculous, preposterous, impossible! Take something rational, something that one has experienced! Dip the arrow in alcohol, real stuff. Leave it there awhile. When it is good and "tipsy," it won't object to going into the hole because it won't know where it is going! Such are the scientific solutions to the puzzling "bow in block" phenomenon that float about the campus.

Puzzle Originated With Deaf Mute

The story proper begins with a deaf mute of Marthas Vineyard, who was a half wit. He died in 1912, leaving behind a collection of eight thousand or so items, some of which consisted of oaken arrows infixed in blocks of pine, the respective ends of which being three sizes too large to pass through the hole in the block by means commonly known and commonly available. A Harvard student was able to obtain three of these paradoxes in wood, and brought them to the hoary sages of Harvard for enlightenment. The arrow and the block were examined microscopically; they revealed upon careful examination no traces of having been maltreated in any way, shape or manner of

being pushed, forced or hammered into their incumbent positions. Rays were brought into use; the arrow and the block were chemically analysed; not the slightest symptom of any abnormality could be found other than that physically, bodily, and practically, the arrow and block were in positions that theoretically it was impossible for them to attain. A very much dumbfounded group of Harvard professors gazed sorrowfully at the perverse inanimates and could not believe that which their eyes and hands testified.

Brought Up at Harvard

The subject was brought up at a Harvard luncheon held Monday, November 16. Professor Magoun of the department of Humanics, who was present, became very much interested in this mind-haunting puzzle. He brought one of these down to Technology and presented the problem to the Mechanical Engineering Department.

"And so the fun began." The next day Professor Zimmerman brought one of these contraptions into existence by means secretive and unknown. A short while later a half-dozen or so students followed suit, solving the mystery by a number of different methods. The Harvard professors and students absolutely refused to believe it until they had seen actual specimens. Just how these lamentable pieces of mental torture came into this harsh world is a secret which it seems will not be divulged. They guard their brain children jealously!

The Scientific Mind

There is a considerable moral lesson attached. In the words of Professor Magoun, "Professor Zimmerman being a scientist tried out his assumptions before he accepted them as fact. He found that one of the methods, in which it was uni-

(Continued on page two)

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

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Auf Wiedersehen: Thayer, Ellis, Fleming, and Barker

GRAINS OF SAND

TIME, that unscrupled thief of man's existence and the permanence of his works, brings to a close another volume of THE TECH. For fifty-one years this paper has been published. Not every year was it financially successful, not every year did it serve every purpose that it might, not every year did it accomplish the tasks to which it concentrated its efforts. Yet as we of the retiring Managing Board look back on our own four years of service, we realize what small parts we have played in the drama of undergraduate publications at Technology.

With this issue we add to the mountainous reputation of THE TECH another grain of sand, another pebble to its solidity, another year to perpetuate its meaning and its significance. We have not made Volume LI all that we had hoped, nor have we reached the achievements which we set for ourselves, and we realize that what little we have contributed represents only a particle of the effort which has been poured into this publication throughout its existence. It is our earnest hope that the undergraduate body look upon this paper not as the product of individualistic motives, but as the result of the staff's respect for THE TECH and all that it represents.

THE TECH changes but little as the years pass. Its fundamental purposes and ideals remain the same, though the interpretations of these by succeeding Boards may differ slightly. Our opportunity to share in contributing to the significance of THE TECH has reached its end all too soon. As we relinquish our robes of office, we would impress our successors with the idea that those who preside over the affairs of this paper have assumed a tremendous responsibility, the perpetuating not only of Technology's oldest undergraduate organization, but of an ideal proven by time. We extend our heartiest felicitations to these men, and bid farewell to THE TECH and those that it serves.

ELECTIONS AND PROMOTIONS

THE TECH, Volume LI, announces with pleasure the following elections and promotions to the Boards and Staff of Volume LII:

Managing Board: General Manager, John G. Hayes '33; Editor, Beaumert H. Whitton '33; Managing Editor, Dayton H. Clewell '33; Business Manager, David B. Smith '33.

Associate Board: News Editor, Constantine S. Dadakis '34; Features Editor, Walter L. Wise, Jr. '34; Make-up Editor, W. Gregg Fry '34; Sports Editor, Herbert R. Plass '34; Advertising Manager, William R. Churchill '34; Business Service Manager, Norman B. Krim '34; Circulation Manager, Winton Brown '34.

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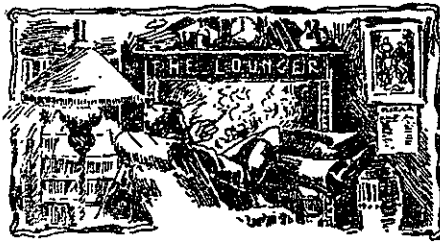
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Circulation Department Staff: John D. duRoss '35.

Associate Advertising Manager: Albert M. Heintz '34.

Advertising Department Staff: John L. Fisher '35.



The proverbial swan sings once, then dies (due in all probability to the interference of some lover of music who overheard the musical mayhem.) This is the Lounger's swan song, after today's issue THE TECH is in the hands of younger and abler men while the old Board rests from its labors with a sigh of mingled relief and regret.

The Lounger will never forget the day he did long and valiant service battling Potts Chambers, while Potts tried to make a straw vote for or against Prohibition come out dry. The way the anemic frosh (now Juniors, by gawd!) trotted up to the booths to vote Wet to a man while squeaking in treble Harvardian tones, "Sure I get drunk every night, practically," pained the Lounger where pains are most devastating.

Popularization of Lounges

That was the famous year of the Sophomore dance when the lounges in Walker at last received their due share of recognition. For years the engineering brotherhood had escorted their femmehood to the lounges, there to do what should be done; but on this occasion for the first time, the general public was informed of the wrinkled dresses and wilted collars which resulted from a sojourn in the dim lit upper reaches of Walker, searching for roads in fireplaces.

Filler Paper, that famous old rag of obscenity, made its appearance with one corner torn off. No one knows what it said except the Lounger and someone else, and we never told, did we? Bill Greene catches Hell at this stage for singing in class and thus demonstrating his entire ignorance of things musical. That was in the pre-depression days when one could coax a throaty bellow from his lungs if properly inspired. Gee, Bill, sing us a song again before we go, huh, Bill?

Rocking the collegiate world, the idea of men wearing "shorts" came out of the hills from Dartmouth, and so it was quite proper to appear in public minus that essential article of masculine attire known as pants. At this time the Lounger's heart suffered severe shocks when he saw several Tech men sans pants, but it was quite O.K. Since they proved to be a few innocent and unoffending tracksters going about their ancient (not to say honorable) business of tracking.

"Modern education ain't what it used to be," yapped the Lounger, referring to the nice new natty uniforms issued the freshman battalion. (The battalion is now a regiment, by the way.) In his youth the Lounger used to wrap yards and yards of burlap around his lower extremities. The folds of the so-called spirals would stick out so far one leg could not be coaxed by the other; as a result the men would drill sitting down. The merry practice of wrapping spirals qualified the wrapper as an expert in bandaging sore-throated giraffes.

A Dirty Vendetta

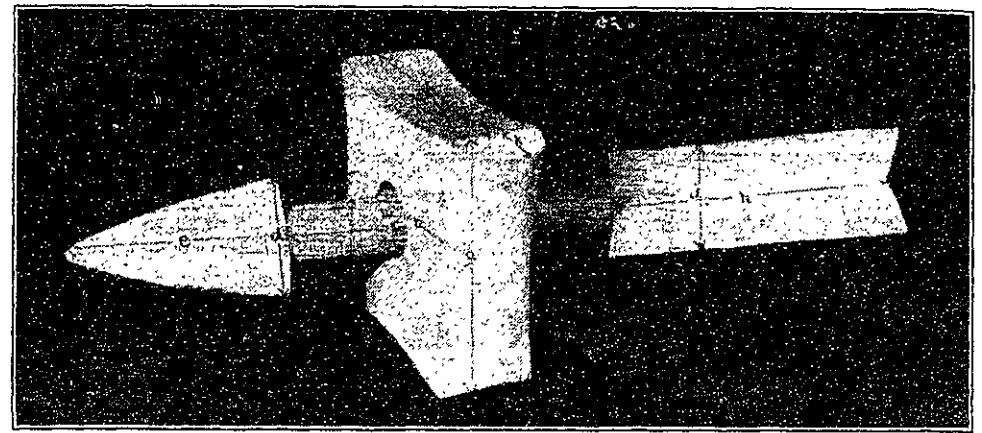
The Lounger had a vendetta, so to the foundry he stalked his quarry. With great elan he started throwing angleworms in the victim's moulding sand. What a work of art the next casting was! There were long sinuous, twisting tendrils of cast iron with a baked angleworm at the end of each.

A few electrical engineers appealed to the Lounger for help in an experiment and for once the old savant was stuck. It seems the apparatus called for included a sheet metal air-gap. How about it, Fitz, is that as bad as the gummy belts in the lab? Slave Driver established his reputation for frankness as he discussed an exam. "To solve this problem, we must have a few more conditions," he yammered, while jotting down a mess of single F's.

During one of the wettest of the wet Field Days, a football player was stretched out in the mud after a play. Out raced a manager with a bucket of water and started slopping it all over the recumbent one. "Hey, you idiot," growled the player, "cut it out. Don't you see I'm drowning?"

Voo Doo, always in the wrong (Eh, Potts, came to bat at this time by raiding Tech Show. This premature release of Tech Show's gags caused Feible to enact an enactment and have all Tech Show rehearsals behind closed doors. It is now time for the truth: The gag in question concerned steel wool being the fleece of a

"ARROW IN BLOCK" PUZZLE WHICH FAILED TO STUMP INSTITUTE SCIENTIFIC MINDS



Dimensions: Width of arrow: 2.65 cms. Width of tail: 2.45 cms. Width of hole: 1.7 cms.

hydraulic ram. Tech Show claimed it was stolen from them. Voo Doo claimed it was original. Heh, heh, heh, they were both wrong. The Lounger wrote the gag for Tech Show, and he got it from an old, old, old Voo Doo. Heh, heh, heh!

The Senior Prom next attracted the Lounger because it was free; the women were (as Pop Eye would say) "purty"; the lounges were populated; the lights blue and dim. THE TECH dinner had no beer. What, no beer! That was not the reason for the Lounger's absence.

The new term started with a crash of illusions, as Dinty Moore told his Course 16 men that they not only cribbed the most, but were the dumbest crew he ever met. While sleeping it off in the Steam Lab, the Lounger first saw the now world-renowned Sweetheart of the Steam Lab. This he announced to all and sundry: "Just a cute stenog (meaning kissable, not bow-legged), hurrying to Entrance 69. Rosy, wind-whipped cheeks; lashes bejeweled by glinting raindrops; her whole self coyly curved under the protecting spread of a green umbrella, she fought the storm... while even the Lounger's tough old cardiac fluttered.

Well, So Long

Then in rapid succession came the new Dorms with their Grecian urns on top, a few tirades about proms, exams, and whatnot. Then bang came the Crusaders, and bang, bang, they went. This finishes the story. Now the Lounger will turn from the typewriter (instrument of torture that it is) and start after his work. Ye great unholy gods, the amount of water power he has to do is enough to drive a sane man mad.

There is still a lot of juvenilism remaining in the Institute whose recent outburst is typified by the "Emancipation Club," which hopes to abolish the R.O.T.C. The youngster who has been running that has a novel method of progressing in life. His first letter was signed "E. L. Hall, '33." Next he signed himself as the Class of '34, and now in his latest letter the class is '32. Thus he remains a problem for the new Lounger while the old one builds a gasometer, for Loungers may come and Loungers may go, but (paradoxically) the Lounger goes on forever.

DORM DINNER DANCE COMES IN FEBRUARY

(Continued from page one)

Dorms. Reservations are \$4.00 the couple if made before the beginning of next term, to be redeemed on Registration Day. No tickets will be sold to men not living in the Dorms until all Dorm men have had an opportunity to make reservations.

Following the dinner, President Compton will hold a reception in the lounge, at which he will meet all the men and their guests who are in attendance. Dancing, which is expected to start at about 10 o'clock, will come immediately after the reception.

Cafe de Paris

An eating place of particular excellence invites your patronage LUNCHEON 35c. DINNER 50c. 12 Haviland St., Boston



Another successful RENTAL season for our DOUBLE BREASTED TUXEDO at student rate of \$2.25 ♦ Single Breasted \$1.50 READ & WHITE 111 Summer Street ♦ BOSTON ♦ 93 Massachusetts Ave.

PUZZLE PROVES EASY FOR SCIENTIFIC MINDS

How Arrow Got Through Hole Is Deep Dark Secret

(Continued from page one)

versally agreed not possible, actually gave results comparable to the specimens at hand." He continues to say that the students who have accomplished this feat have learned a lesson that will be an abiding one, one of the greatest that they will receive at the Institute — not to assume anything until they have tried it.

The mentally disillusioned Harvard professors were informed the dire secret upon Tuesday, December 1 by the peerless intellectual Hercules of Technology.

Although Technology is duly proud of the men that solved this seemingly unsolvable problem it is fully realized that had the problem been one of philosophy or psychology, or sociology that was entangling the feet of mankind, our compeers up the Charles would soon have rationally disentangled the hazy adumbrations of thought and shortly promulgated the answer to waiting mankind.

COL. GREEN ENDOWS ATOMIC EXPERIMENTS

(Continued from page one)

Dr. Van de Graaff, whose work on high voltages drew considerable notice in the scientific world a few months ago. Part of the endowment will be used to equip a special laboratory in a former blimp hangar on his Round Hill estate.

Colonel Green hopes that the high current will be successful in "smashing the atom," and also an aid in the development of a "super X-ray" capable of photographing the entire human body as easily as portions are now photographed. It is believed, Colonel Green said, "that the enormous current of 25,000,000 volts, hoped to be generated, would aid in developing an X-ray which "would compare with the present X-ray as the most powerful microscope compares with the human eye."

JUNIOR PROM SIGNUPS WILL OPEN ON FEB. 10

(Continued from page one)

with it. All signups will be numbered, and the winning number will be picked by a prominent Institute man. The winner will receive his ticket free.

On February 29 the announcement of the winner will start the redemption campaign, which will last one week. The remainder of the ticket price, which amounts to \$8.50, will then be collected.

After Exams: HOME

Travel by Bus Comfortable Safe Convenient Economical Reduced round trip rates to all parts of the country now in effect

Tickets Information Reservations THE TECH NEWS OFFICE BASEMENT WALKER 12-1.30 Every Day Except Monday

TECH FIVE DEFEATS HARVARD 14-12

ENGINEERS SPURT IN FINAL MINUTES TO DOWN CRIMSON

O'Brien Scores Winning Points; Leads Team In Downing Brown 42-26

FRESHMEN LOSE ANOTHER

(Continued from page one)

teams were so well fortified defensively that the game was decidedly uninteresting from the spectator's viewpoint. In fact, the score was the lowest Tech-Harvard score ever recorded. The highest number of points made by one man was five; this distinction going to Feustel of Technology and Baskerville of Harvard.

Harvard Scores Early

After several minutes of rather listless play, Sysko of the Engineers sank a foul shot for the first score of the game. Harvard replied with two baskets by Baskerville and one by Hageman, to assume a lead which was not lost until Technology's final spurt. At half-time the score was 9-5 for the Crimson, and five minutes from the end it was 12-8, when the Beavers began their winning drive.

Emond put in a basket from midcourt, and O'Brien, scoreless till then, tied the score from under the basket with two Harvard men hanging onto him. After a thrilling minute during which each side missed several chances to break the deadlock, the same O'Brien came through with another fine shot to give his team the winning margin. It was the Crimson's third loss in four starts.

Brown Game Rough

Saturday night's victory over Brown was, although not a very close game, more interesting to watch. There was much more brilliant offensive play, but it was marred by frequent personal fouls. Both teams were equally rough, but the Engineers made better use of their free throws, sinking twelve to Brown's four. O'Brien assumed the spotlight once again by leading the game's scorers with seventeen counters. Feustel hurt his head in the first period and did not play much. Sysko and Johnson were the other Beaver stars.

In a preliminary game played at 7 o'clock Saturday, the Technology freshmen continued their losing ways by bowing to the Brown yearlings by the decisive score of 39-14. The combination of Floren and Smith, who scored thirty points between them, was too much for the losers. William Peterson, Beaver guard, once more proved his worth by leading his team in scoring and playing a remarkable defensive game. It was the freshmen's fourth defeat.

Hard Schedule Past

By coming through as they did against Harvard and Brown, the varsity quintet has shown itself to be the best court aggregation that Technology has had for a number of years. The hardest games of the season, with Rhode Island State and Harvard, are past, and unless injuries cut down their effectiveness, it is likely that the Engineers can complete their schedule without another defeat being chalked against them.

O'Brien High Scorer

Some interesting facts can be found in the records of the team to date. "Obie" O'Brien, the Sophomore left forward, has been the outstanding offensive player. He scored 41 points in last week's three games, and his season's record shows a scoring total of eighty points, which gives him an average of over thirteen points per game. Feustel has the next highest total, his average being about nine counters per game. Captain Harry Johnson and Adam Sysko have been most brilliant on the defense, as well as occasionally playing leading parts on the offense. The fifth man on the team has been either Emond or Coffey, who rate about equally.

Outstanding as these individual records are, the main feature of the team so far has been the smooth teamwork which the men have displayed at all times. No doubt their wins over the Crimson Independents and Harvard were achieved largely because of such excellent coordination. The Beavers will take a well-earned rest until the next contest, which does not occur until next term. On Saturday, February 13, they will meet Lowell Textile in the Hangar Gym.

Class C Squash Team Defeats Trinity and Weston Country Club

Squad Wins Two Meets in Rapid Succession. Will Meet Trinity Again

Winning two matches in succession, the M.I.T. Class "C" Squash team defeated Weston Country Club and Trinity College. The Country Club team was defeated Thursday, January 14, by a score of 4-1; and the team of Trinity College was downed by the Engineers Saturday, January 16, by a score of 5-0.

All men playing have shown consistent improvement and results of hard work, especially Newman, who played a very fast game. The Country Club team is leading the League, the New England Squash Racquets Association, and defeating such a powerful team is another point to the credit of the Institute's squad.

Trinity Is First College Meet

Trinity College was the first real intercollegiate match of the year, the majority of the squash games being with separate clubs and associations rather than with other colleges, this being due to the comparative newness of the sport. On the same date as the intercollegiate finals, there will be staged a return match with Trinity.

In the meet with the Country Club at Weston, only one Engineer was defeated. The remainder of the team won each game. In the matches with Trinity, deGivie took three games out of four from Burke in the feature match of the meet.

It is expected that next term's team will be even better than the one representing the Institute this term. McHugh will be eligible next term, being one of the Beavers' strongest players. With the showing made this semester coupled with that of next, it is hoped that the squash teams will become one of the Institute's leading and most representative teams.

Following are the summaries:

At Weston Golf Club

M. I. T. varsity defeated Weston G. C., 4 to 1. E. Field (W) defeated G. Murphy, 5-15, 15-5, 16-14, 15-8; L. DeGivie (T) defeated J. Worcester, 5-14, 16-13, 15-2, 15-12; C. F. Payne (T) defeated W. Whitney, 4-13, 15-7, 15-11, 15-12; E. Newman (T) defeated A. Cross, 12-15, 8-15, 18-14, 15-12, 18-17; G. Ingalls (T) defeated C. Roberts, 15-13, 18-15, 15-10.

Trinity-M.I.T.

L. DeGivie defeated J. E. Burke, 15-11, 15-9, 16-17, 15-8; C. F. Payne defeated N. S. Grant, 15-11, 15-10, 15-11; E. Newman defeated W. H. Benjamin, 15-6, 15-7, 15-9; D. Ingalls defeated H. O. Phippen, 18-16, 16-18, 18-17, 15-11; G. J. Murphy defeated R. E. Martini, 15-9, 15-5, 6-15, 15-8.

The box scores of last Friday's and Saturday's games:

M. I. T.				Harvard			
G	F	P		G	F	P	
Feustel, rf	2	1	5	Hageman, lg	2	0	4
O'Brien, lf	2	0	4	Reissner, rf	0	0	0
Johnson, cf	0	0	0	Huppach, rf	0	0	0
Sysko, rg	0	1	1	Pattison, crf	0	0	0
Emond, rf	2	0	4	Rauh, rf	0	0	0
Coffey, lg	0	0	0	Baskerville, lf	2	1	5
				Matursevitch, rf	0	1	1
Totals	6	2	14	Totals	5	2	12

M. I. T.				Brown			
G	F	P		G	F	P	
Feustel, rf	2	1	5	Hammer, lg	3	1	7
Coon, rf	0	0	0	Marsh, lg	0	0	0
O'Brien, lf	6	5	17	Smith, lg	0	0	0
Johnson, cf	0	1	1	Phillips, rg	0	0	0
Wehmiller, lf	0	0	0	Mantell, rf	3	0	6
Johnson, c.	3	1	7	Vreeland, rg	0	0	0
Steele, c	0	0	0	Morse, c	2	0	4
Sysko, rg	3	2	8	Cornell, c	1	0	2
Emond, rf	0	2	2	Caultkins, lf	1	2	6
Coffey, lg	1	0	2	Malkowski, lf	0	1	1
Amenta, lg	0	0	0	Neidinger, rf	0	0	0
				Tillinghast, rf	0	0	0
				Friedman, rf	0	0	0
Totals	15	14	42	Totals	11	4	26

Brown Freshmen				M.I.T. Freshmen			
G	F	P		G	F	P	
Reed, rf	1	2	4	Peterson, lg	2	1	5
Tucker, rf	0	0	0	Weatherbee, lg	0	0	0
Floren, lf	0	0	0	Cooper, rg	0	0	0
Armstrong, lf	0	0	0	Rosse, rg	0	0	0
Smith, c	3	4	10	Fitzgibbons, c	0	1	1
Offen, rg	0	1	1	Szuchowicz, c	0	1	1
Marshall, rf	2	0	4	Doucette, lf	0	0	0
Morin, lg	0	0	0	Rosenburg, lf	0	0	0
Santelli, lg	0	0	0	Rich, lf	2	0	4
				Bailey, rf	0	1	1
				Fisher, rf	1	0	2
Totals	16	7	39	Totals	5	4	14

The Sophomore Class at New York University recently held its annual dance at which admission prices were scaled according to the waistline of the girl. One penny was charged for each inch of the circumference.

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SWIMMING TEAMS LOSE TO BROWN IN HARD MATCHES

Henning and Flanders Take Only First Places For Varsity Team

FRESHMEN IMPROVE

Losing to Brown in both the freshman and varsity matches, the M.I.T. swimming teams went down to defeat a second time during the week, though neither of the squads was as badly beaten as at Harvard. The final score of the varsity meet was 56-21, and that of the freshmen, 39-23.

Only two events were won outright by the Engineers, the 200-yard breast stroke and the 440-yard swim. In the breast stroke, Flanders, swimming the distance in 2 min. 56 3-5 sec., pulled ahead of all his competitors, for a decided victory. Henning was the other man to take a first place for the Beavers, and outclassed all the others in his race, both in speed and style.

50-Yard Dash Close

In the 440-yard swim, Kron followed up Henning to take third place. In the 220-yard freestyle, Vaughan stuck it out all through a fast race, and lost another first place by a short margin. Making an exciting race in the 50-yard dash, Lewis, of Brown, managed to pass his two nearest rivals at the finish and win, with Heintz of Technology and Koebig tying each other for second place.

Brandt did the Technology honors in the diving, as his teammate and sometimes superior, Lykes, seemed to be sadly out of form, and did not place at all. Brandt took second against superior style of the Brown representative.

Brown Sets New Record

Brown happened to set a new record in the backstroke dash, and in doing so left the Engineer in the race to take a third place. Two Brown men fought out the entire distance, and it was entirely their race, with May, the Beaver, churning away after the odd point.

Vaughan, after a stiff workout in the "440," had to strain himself to take the third in the 100-yard freestyle, but managed to stay ahead of the rest of the men, and came into the scoring again.

Most notable among the freshmen was Guenther, whose work in the 100-yard freestyle netted him first place with second and third places taken by Brown men. The relay race was also taken by the Engineers, the team consisting of Greenberg, Keller, Guenther, and DuRoss, but winning only by Brown's making an illegal take-off. The illegal start ruined a potential record for the freshmen, as they improved the pool time for the event.

Farmer and Shunt made two second places, Farmer in the 220-yard swim following Lee, of Brown, and Shunt in the 100-yard breast stroke following Anthony of Brown and being followed in third place by Klem of Technology.

Following are the summaries:

Varsity

Medley Relay — Won by Brown (Stanton, Butler, Hickey); second, M. I. T. (Mays, Joskelemin, Henning). Time — 3m. 25 2-5s.

220-Yard Free Style — Won by White (B); second, Vaughan (MIT); third, Gross (B). Time — 2m. 26s.

50-Yard Free Style — Won by Lewis (B); Heintz (MIT) and Koebig (B) tied for second. Time — 24 2-5s.

Fancy Diving — Won by Weller (B); second, Brandt (MIT); third, Aldrich (B).

440-Yard Swim — Won by Henning (MIT); second, Oliver (B); third, Kron (MIT). Time — 5m. 59 1-5s.

50-Yard Backstroke — Won by White (B); second, Stanton (B); third, Mays (MIT). Time — 1m. 44 2-5s. (New Brown record.)

200-Yard Breast Stroke — Won by Flanders (MIT); second, Butler (B); third, Cutter (B). Time — 2m. 56 3-5s.

100-Yard Free Style — Won by Lewis (B); second, Hickey (B); third, Vaughan (MIT). Time — 56s.

Relay — Won by Brown (Koebig, Gross, White, Lewis); second M. I. T. (Heintz, Callan, Mays, Henning). Time — 1m. 40 1-5s.

BEAVER BRAWN

Technology's teams seem to be out to get an even break, for the basketball squad won rather brilliant victories over dear old Harvard, and the Brown team from Providence, at the same time that the swimming team was losing to the same schools. The much lauded and satisfactory victory of the hoopsters over a listless Crimson team looks sweet on the basketball record. O'Brien, the rugged Beaver forward pulled that game out of the fire in a most noble manner.

It was that same Obie who was the moving factor in the Saturday evening contest with Brown. With the exception of some poor guarding that left the lanky Brown players under the basket to make goals, the whole Technology team looked good. Johnson, unhappily handicapped by insufficient height to get the tipoff plays started, has been doing some nice basketshooting of late. Both Sysko and Coffey rolled in foul offences early in the game, but used sufficient discretion later to stay in the game.

Brown's excellent swimming team did a good job of overwhelming Beaver nators. The poor swimmers were up against a bunch of record-breakers who had no consideration for the Massachusetts boys. It was unfortunate that Lykes was off form; as a consequence he brought up the rear in the diving trials. A fast relay team, the efforts of the fast co-record-holder Lewis, and back-stroker White, all raised the ante too high for the Engineers to be interested. Hard luck that the frosh were so impatient, for a new record coming from a yearling team makes the varsity look pretty badly.

An insufficiency of ice in any form prevented the hockey team from having games with Brae Burn and then Williams last week, with the unseasonable but highly enjoyable Southern weather. But the varsity players seemed to be utilizing successfully their excess of athletic energies at the dance of the Seniors last Friday night. F. K.

Freshmen
220-Yard Swim — Won by Lee (B); second, Farmer (MIT); third, Bree (B). Time — 2m. 25 1-5s. (New Brown record.)
50-Yard Free Style — Won by Hedquist (B); second, Crosby (B); third, DuRoss (MIT). Time — 24 2-5s.
Fancy Diving — Won by Lyman (B), 84.0; second, Froncillo (B); third, Paige (MIT).
100-Yard Breast Stroke — Won by Cook (B); second, Lobenstein (B); third, Granberg (MIT). Time — 1m. 10s.
100-Yard Breast Stroke — Won by Anthony (B); second, Shunt (MIT); third, Paige (MIT).
100-Yard Free Style — Won by Guenther (MIT); second, Benjamin (B); third, Klem (B). Time — 1m. 52 3-5s.
Relay — Won by M. I. T. (Granberg, Keller, Guenther, DuRoss); second, Brown (Cook, Crosby, Hedquist, Lee) disqualified. Brown finished first in 1m. 38 3-5s.

BOXERS BEATEN BY MILITARY ACADEMY

Losing its first meet of the season, the M.I.T. boxing team bowed down to Army by a score of 6 1-2 to 1-2. The meet took place Friday, January 16, at the Military Academy at West Point.

The summary is as follows:

115-pound class — Powell (A), defeated Stucinski (MIT), technical knockout. Time — 1.45, second round.
125-pound class — Cleveland (A), defeated Goldsmith (MIT), decision.
135-pound class — Bennett (A), defeated Wetherill (MIT), decision.
145-pound class — Hagan (A), defeated Carey (MIT), decision.
155-pound class — Clark (A), defeated Malmstrom (MIT), decision.
165-pound class — Olson (A), and Cooper (MIT), boxed three rounds to draw.
175-pound class — Collins (MIT), forfeited to Kendall (A).

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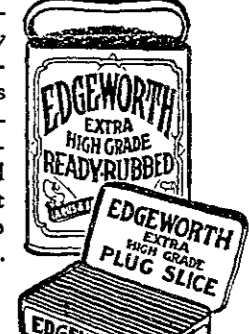
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OFFICIAL BULLETINS OF GENERAL INTEREST

Faculty Club Luncheon Meeting Walker Memorial
 Tuesday, January 19, 12.00 m., North Dining Room
 Dr. Kennelly, who has recently visited many points of interest in the Japanese Empire, will speak on "Impressions Received on a Recent Lecture Trip to Japan."

C·A·L·E·N·D·A·R

Monday, January 18

1.30 p.m. — Pi Delta Epsilon dinner in Grill Room of Walker Memorial.
 5.00 p.m. — Banjo Club rehearsal in East Lounge of Walker Memorial.
 7.30 p.m. — Course X-A basketball game in Hangar Gym.

Tuesday, January 19

5.00 p.m. — M.I.T.A.A. meeting in North Hall of Walker Memorial.
 5.30 p.m. — Alpha Phi Delta business meeting in Grill Room of Walker Memorial.
 6.00 p.m. — Instrumental Club rehearsal in East Lounge of Walker Memorial.
 6.00 p.m. — Chi Epsilon supper meeting in Faculty Dining Room of Walker Memorial.

Thursday, January 21

5.00 p.m. — Institute Committee meeting in West Lounge of Walker Memorial.
 5.00 p.m. — Banjo Club rehearsal in East Lounge of Walker Memorial.
 6.00 p.m. — New England Paint and Varnish Company dinner in Faculty Dining Room of Walker Memorial.
 6.00 p.m. — Instrumental Club rehearsal in East Lounge of Walker Memorial.
 6.30 p.m. — Plant Engineering Club dinner meeting in Grill Room of Walker Memorial.

Saturday, January 23

1.00 p.m. — Bacteriological Society dinner meeting, Faculty Dining Room of Walker Memorial.

Undergraduate Notices

LAST BIBLE STUDY

The last in a series of Bible study meetings will be held in the T.C.A. office next Wednesday evening at 6.45 o'clock. Alexander C. Burr, G, will speak on the subject "Paul's Companions."

TECH CABIN

The Cabin will be occupied from January 27 to February 7, but the groups for which it is reserved are small and other students desiring use of the cabin can be accommodated. Apply at the T.C.A. office.

MID-WINTER OUTING

A final meeting of the group to go on the mid-winter outing to The Ark at Monadnock Mountain after the term examinations, will be held at the T.C.A. office on Friday, at 5 o'clock. Students wishing to join the group should attend the meeting.

FRESHMEN LOSE TO ANDOVER IN TRACK

Victors Score 75 1-2 Points To 14 1-2 for Yearlings

Inexperience was a great factor in the defeat of the freshman indoor track team at the hands of Andover, Saturday afternoon at Andover. The final outcome was 75 1-2 for Andover to 14 1-2 for the home team.

The summary is as follows:

- 40-Yard High Hurdles — Won by B. Brown (A); second, Varner (A); third, Bartlett (MIT). Time — 5 4-5s.
- 40-Yard Dash — Won by Demare (A); second, Sharpe (MIT); third, Cahners (A). Time — 5s.
- 300-Yard Dash — Won by Harper (A); second, DeMare (A); third, Greenlaw (MIT). Time — 35 4-5s.
- 600-Yard Run — Won by Dorman (A); second, Gratiot (A); third, Holley (MIT). Time — 1m. 21 4-5s.
- 1000-Yard Run — Won by Duchesne (A); second, Hody (MIT); third, Ninde (A). Time — 2m. 27s.
- High Jump — Tied for first among Prescott, Coling and Angell (A). Height — 5ft. 4in.
- Broad Jump — Won by Ritzman (A), 19ft. 9in.; second, Root (MIT), 18ft. 10in.; third, Bush (A), 18ft. 9 1-2in.
- Pole Vault — Tied for first, Miller and B. Brown (A), 11 ft.; tied for third, Hughes (A) and Prestwich (MIT), 10ft. 9in.
- Shotput — Won by Graham (A), 52ft. 1in.; second, Dwyer (A), 45ft. 10 1-2in.; third, Lovering (MIT), 44ft. 11in.
- 40-Yard Low Hurdles — Won by B. Brown (A); second, Raymond (A); third, Bartlett (MIT). Time — 5 2-5s.

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NEW BOARD ELECTED AT THE TECH DINNER

(Continued from page one)

dress on "How To Improve a College Newspaper," following which, James R. Killian '26, former Managing Editor of THE TECH; Gilbert M. Roddy '31, former General Manager of THE TECH; Hunter Rouse '29, former Editor of THE TECH; Professor Henry G. Pearson, Head of the English Department; Dr. Allan W. Rowe '01, of the Advisory Council on Athletics; James J. Rowlands, Head of the Technology News Service; Frederick G. Fassett, Jr., instructor of Journalism; A. W. Kenney Billings, Jr. '26, of the Advisory Council on Student Publications; and Edmund F. McLaughlin '32, who has been associated with THE TECH for several years, discussed the faults of THE TECH and how to improve them. Dr. Rowe gave an interesting discourse on the benefits derived from undergraduate activities.

Hayes Is New General Manager

Hayes, General Manager-elect, of Marietta, Ohio, prepared at Marietta High School, being graduated in 1928, entered Marietta College in the Class of 1932 and

attended during the freshman year. The following year he transferred to Technology, entering in Course VI-A in the Class of 1933. He entered into competition in the Advertising Department of THE TECH and last year was elected Advertising Manager for Volume LI. He is a member of Stylus and the Beaver Key Society. He is also a member of Alpha Tau Omega fraternity.

Whitton Elected Editor

Editor-elect Whitton, of Charlotte, North Carolina, was graduated from Charlotte High School in 1928. From there he enrolled in the University of North Carolina in the Class of 1932, where he was active as a reporter on *The Daily Tar Heel*, the undergraduate paper. The following year he entered the Institute in Course XVII in the Class of 1933. He entered into competition in the Features Department of THE TECH and last year was Features Editor. He is a member of Stylus and Phi Kappa Sigma fraternity.

Clewell Made Managing Editor

Clewell, newly-elected Managing Editor, hails from Berwick, Pennsylvania, where he attended the Berwick High School. He served on the school paper and was president of the Senior Class.

Following his graduation in 1929, he entered the Institute in Course VIII. He worked on THE TECH as a reporter during his first year and was a news writer in his Sophomore year. Last year he was elected News Editor for Volume LI. He is a member of Stylus and the Beaver Key Society.

Smith Announced New Business Manager

Smith, of Mercersburg, Pennsylvania, who was chosen Business Manager, prepared at the Hill School in Mercersburg, being graduated in 1929. He served on the Business Service Staff of THE TECH during his first two years at the Institute, where he had enrolled in Course XIV, and the following year he was elected Business Service Manager. He is a member of Stylus and Chi Phi fraternity.

In addition to the Managing Board, the Associate Board, which was announced by Hayes, will be composed of the following newly-elected Junior Board Members: Winton Brown '34, Circulation Manager; Norman B. Krim '34, Business Service Manager; William R. Churchill '34, Advertising Manager; Constantine S. Ddakis '34, News Editor; Walter L. Wise, Jr. '34, Features Editor; W. Gregg Fry, Make-up Editor; and Herbert R. Plass '34, Sports Editor.



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