

TECH NEWS



VOL. 7

WORCESTER, MASS., NOVEMBER 16, 1915

NO. 10

New Hampshire Proves Big Surprise

Husky Farmers Outplay Local Eleven Slump Is Costly

With the stands filled with enthusiastic rooters and the bright November sun of a perfect football day shining brilliantly, Worcester Tech went down to defeat before the strong team from New Hampshire State. There was more enthusiasm shown over this game than any other that has taken place here in recent years. When it became known a few days before the contest that the Farmers were bringing three hundred and fifty loyal supporters with them, Techites decided that they would not be outshone on their home grounds at least. A large mass-meeting was held Saturday morning to practice songs and cheers, and in the afternoon five hundred supporters stood staunchly behind their team. The stands on Alumni Field were overflowing and to add to the excitement a goat labelled N. H. State was produced, and carefully guarded. After the game the goat was destroyed.

There is no question that much of the time Tech was distinctly outplayed; only at times did the

(Continued on Page 4)

TECH RECEIVES BEQUEST OF \$10,026.40 FROM DR. SINCLAIR

To Found the John E. Sinclair Professorship

The announcement last June which made public the founding of "The John E. Sinclair Professorship of Mathematics" has just been followed by the announcement that a gift of \$10,026.40 to the Institute was made by the late Dr. Sinclair.

A little over a year and a half ago three fully paid up insurance policies, amounting to \$10,026.40 were turned over, by Professor Sinclair and his son to President Charles G. Washburn of the Institute Corporation, and made payable to the treasurer of the Institute.

(Continued on Page 5)

Young, President of Council

Governing Body Selects Officers.

At the first meeting of the Tech Council, R.H. Young '16 was elected president; Farrington Daniels, secretary; and G. M. Pomeroy '17, treasurer.

Major-General Wood Speaks

E. E. Lecture Hall Entirely Filled

Early morning mass meetings are not common at Worcester Tech or any other institution of learning which does not have compulsory chapel but that held by the three

(Continued on Page 5)

Rival Leaders in Saturday's Contest



CAPTAIN WESTOVER
Big Factor in Tech's Undoing



CAPTAIN BANAN
Whose Warriors Fought a Losing Fight

The Council then discussed the point system, social activities, class constitutions and a publicity committee. As the demand for the last was considered most urgent, the others were laid on the table to be taken up at later meetings. The matter of publicity committee was then committed to C. L. Storms '16, L. H. Powers '17 and G. M. Pomeroy '17. This committee reported to the Council last evening.

It is planned that the publicity committee have full charge of advertising Tech activities on and off the Hill; and its immediate duty will be the organization of student attendance at the Holy Cross game.

"ROYAL ROOTERS FROM DURHAM"

Large Delegation Supports New Hampshire Team

Tech was treated to a new sight on Alumni Field Saturday when a cheering section of 350 rooters, together with a band, filled the opponent's bleachers and cheered its team on to victory. The New Hampshire delegation left Durham Saturday morning by special train, arriving in Worcester at 11 o'clock, and returned at seven Saturday. Headed by the regiment band, the students celebrated the victory by a parade through Worcester's streets.

University of Maine Wins Cross-Country Tech Finishes Sixth

Again the cross-country team representing the University of Maine picked up first honors in the N. E. I. A. A. title race. Maine, with her well balanced team won a clean cut victory over the Franklin Park course Saturday morning, landing third, seventh, eighth, ninth and thirty-second positions for a total of 59 points. Dartmouth came second and M. I. T. finished third, all of whose runners pushed the winners to the limit in one of the finest cross-country struggles ever held.

R. G. Brown of M. I. T. was the first man to cross the tape, closely followed by Aiken, our old friend from M. A. C. Francis finished in tenth place, while the second Tech

(Continued on Page 5)

"LADIES' NIGHT" OF E. E. SOCIETY

Pleasing Program Planned

On Friday evening, November 19th, the Worcester Polytechnic Branch of the American Institute of Electrical Engineers is to hold "Ladies Night" at the E.E. building. Mr. Winthrop G. Hall, W. P. I. '02, of the General Electric Company is to be the guest of the society, before whose members and their friends

(Continued on Page 5)

CALENDAR

TODAY—4.45 p. m. Orchestra Rehearsal.
5.00 p. m. Meeting of Tech News Staff at Tech News Building.
5.00 p. m. Mandolin Club Rehearsal.
7.30 p. m. Travelogue for Grad and Senior Electrics at home of Prof. H. B. Smith.
8.00 p. m. Regular meeting of Worcester Chapter of Sigma Xi.

THURSDAY—5.00 p. m. Mandolin Club.
7.30 p. m. Chem Club Meeting.

FRIDAY—11.50 a. m. Everybody meets in front of Boynton Hall to give Football team send-off.
8.00 p. m. Ladies' Night, E. E. Society.

SATURDAY—Football. Rensselaer at Troy.

SUNDAY—4 to 6 p. m. President and Mrs. Hollis entertain.

EVERY DAY—Football Practice.

THREE TIMES A WEEK—Glee Club Rehearsals.

TECH NEWS

Published every Tuesday of the School Year by

The Tech News Association of Worcester Polytechnic Institute

TERMS

Subscription per year \$2.00
Single Copies .07

BOARD OF EDITORS

C. S. DARLING '17	Editor-in-Chief
E. L. BRADON '16	Advisory Editor
C. T. HUBBARD '16	Managing Editor
G. M. POMEROY '17	Associate Editor
H. S. CUSHMAN '17	Associate Editor
J. F. KYES '18	Associate Editor
E. M. BATES '17	News Editor
N. C. FIRTH '18	News Editor
H. P. CRANE '18	News Editor

BUSINESS DEPARTMENT

V. B. LIBBEY '16	Business Manager
E. W. JONES '17	Advertising Manager
R. K. PRINCE '17	Subscription Manager

REPORTERS

C. A. PERKINS '17	P. S. HASELTON '18
R. NEWCOMB '18	F. G. BARBER '19
R. W. HEPPERMAN '19	E. L. LLOYD '19
C. W. PARSONS '19	A. H. WELCH '19

All checks should be made payable to the Business Manager.

The Tech News welcomes communications but does not hold itself responsible for the opinions therein expressed.

All material should be in before Thursday noon at the latest in order to have it appear in the week's issue.

Entered as second class matter, September 21, 1910, at the postoffice at Worcester, Mass., under the Act of March 3d, 1879.

All communications should be addressed to Tech News, Worcester Polytechnic Institute

THE DAVIS PRESS

NOVEMBER 16, 1915.

HOLY CROSS NEXT

This issue has been in charge of Associate Editor H. S. Cushman.

Editorials

Never in Tech's history, it is safe to say, was such whole-hearted, boundless enthusiasm shown as at the mass meeting last Saturday morning. The roof of E. E. Hall was in danger of being lifted from its supports, and Tech hearts warmed with the increasing vigor of the cheering. Can any student who witnessed that meeting refuse to attend the Holy Cross game and enjoy his Thanksgiving recess with an easy conscience?

A monthly mass meeting with some prominent speaker would do more in a year to promote Tech spirit than any other one thing, successful athletics, possibly, excepted. It would induce a wider average acquaintance; it would promote activities through publicity given at the meetings; and it would imbue a spirit of loyalty which only athletic teams can otherwise create.

The purpose of the Dramatic Association as stated in its proposed constitution is to "foster an interest in dramatic art both among its members and the students at the Institute." The latter is the position we have reference to. "Among the students at the Institute," to those among you who have a fondness for dramatics and who desire a chance to learn more about them we say: When the call for trials is sent out answer promptly and thus show your willingness. The investments are few indeed, where more is obtained for what is put into them.

Another word as to the Holy Cross game. A fellow said the other day—"I can as ill afford to stay over for the game as perhaps any man on Tech Hill, but I intend to, and any of the rest of the fellows who don't stay are pretty poor stuff." And he had it right, too. Then there is the other side. Out at the Half Way Thru' Banquet the other night, Duffy made a plea that any fellow who could play come out for that game, and if there are fellows on the Hill who can play, get them out, for Tech is going to need her full strength to trim the Purple—and trim them we will.

At this season of the year, outside interests are beginning to call loudly to us, and mid-year exams seem a long, long distance away. Of course, the lessons suffer. If you have experienced the results of this before, what we have said will be amply sufficient. But, to the younger men, we would say this:—Every bluffed or cut recitation leaves you with an extra day's work ahead of you. Mid-year's loses a great deal of its terror when a man has been faithful, but the delinquent finds himself in a nightmare of frenzied "cramming" and awful forebodings. Make the first half year come right; learn your capacity before taking chances.

Again, the Christmas festivities are approaching, when extra time will be still more desirable than now. A few good "licks" at this time will make it safer to rest on your oars when Christmas comes.

HALF WAY THRU'

For the Juniors the half way mark in their career at Tech has been passed. How many friends and pleasant acquaintances have been made! With what a sense of pleasure we shall look back on our college experiences. And now two of those years have passed.

For the rest this week marks the beginning of the second half of the semester. Have we done our best? Or are there lots of things left undone?

For all of us: Let's start right here and make this the best year we have had. Resolve not merely to sneak by the mid-years, but start preparing now to make those marks satisfactory. Then again, let's not settle down too sedately but let's everyone get into the whirl of college life enough to keep alive and abreast of the times. Let's have it said that Tech turns out two things, engineers and men.

HOME TIES

Do you remember the advice given to the Freshmen at the Freshmen Reception? How many are keeping closely in touch with home? Are you keeping those back

Saturday Evening Dancing Class FOR BEGINNERS to learn the Waltz, Two-Step and Modern Dances 311 MAIN STREET

No one need hesitate to join this class from lack of knowledge. We give personal attention to each pupil.

Specially for Tech Men

For particulars call at the Studio, 311 Main Street, DAY or EVENING.
Teachers, Miss Ruby H. Day and Mr. Roland G. Day.

Tel., Park 5092, also 2757-J

home acquainted with what you are doing here at the Institute, your successes or your troubles? For far too many of us, the pursuit of an education has tended to separate us from our own people. While we are so busy making new friends, the tendency, too often, is to forget the dearest ties of all, our relations with the very people who in the great number of cases have made this college experience possible. In some cases there seems to grow the feeling of almost entire alienation, except the necessary financial one.

No one would desire to thus drift away from his parents and especially from his mother, but this is bound to occur unless we constantly bear them in mind. The most precious possession any man can have is the love of a mother and it is the only one which cannot be taken from him no matter what else the world may do to him. The very least we can do is to keep her constantly informed of our actions.

So let us be among the faithful and when we have a few minutes to spare, sit down and write home, and let them see that although often many miles away, we are still close to them in thought.

immediate benefits, in greatly-exaggerated dimensions. It is well to take a good look once in a while at the life-work we are building. He who has worked patiently, and concentrated on outline of one great purpose, will see before him in the crude outline of his future life, the elements of a masterpiece. And the easily-downed man, seeing his plodding companion's success, will call him a "shark."

ACCIDENT VICTIMS RECOVER

Orville B. Dennison, who is well known at Tech as leader of the Wolkenden orchestra, left the city hospital last Thursday for his home in Framingham. "Denney" who was in the auto accident a few weeks ago which resulted fatally for Paul Burgess '14, has practically recovered from the effects of his fractured skull. R. H. Woleott '11, who was in the same accident, is doing finely. He has been around Tech, and plans to start work again this week. Dr. J. W. Cahill was released from the hospital Wednesday.

COMMENTS

By Our Spectator

It is rumored that the reason for playing the Tech-Holy Cross game Thanksgiving morning, is to allow the players to break training on a real Thanksgiving dinner. Some one should whisper to them that the harder they play, the better will be their appetite.

SEND-OFF FOR TEAM FRIDAY NOON

Credit is due those of the faithful who stayed after the N. H. game and cheered each of the players in turn. This is the kind of spirit we need, one that will not be downed by defeat. Next Friday noon, weather permitting, Cheer Leader Farnsworth announces an open-air meeting will be held in front of Boynton Hall to give the team leaving for Rensselaer a grand old send-off. Let's be on hand and help instill in them the idea that the entire student body is back of them. Remember, Friday noon, in front of Boynton Hall. Be on deck.

Patronize Our Advertisers. We recommend them as reliable firms, where you can get goods that satisfy

BEQUEST FROM DR. SINCLAIR

(Continued from Page 1)

This information is contained in a biographical sketch published by Professor Haynes in the November issue of THE JOURNAL. In this letter to President Washburn, Professor Sinclair made it plain that the gift was not only his own but was also the desire of his wife and family. It was further provided that the gift should not be made public during the life-time of Professor Sinclair.

It was the desire of Professor Sinclair that the amount of the gift be invested until "by addition from interest or otherwise, the total sum shall be sufficient, from its income, to amply meet the yearly salary of a Professor of Mathematics." It is to be hoped that further contributions will make possible the speedy foundation of the John E. Sinclair professorship.

RENSELAER IN TROY, NOV. 20

If comparative scores count for anything Tech would seem to have slightly the edge on R. P. I. when they meet to fight out their differences in Troy, Saturday. However, the Rensselaer men still remember the game of last year, when they went down to defeat on the day of the opening of the new Alumni Field. So when these two meet again a battle royal is to be looked for. But the boys are out to trim Rensselaer and are going to bring back a victory for old W. P. I.

NEW FEATURES IN THE PROPOSED CONSTITUTION OF THE DRAMATIC ASSOCIATION

In the constitution which is to be submitted to the Dramatic Association there are several new features pertaining to membership, management and allied subjects which are worthy of attention.

Under the old regime, practically no one who had not had a speaking part in the show was eligible for membership. Now, however, it is proposed to have members of the faculty, graduates and undergraduates eligible. The membership might well be divided into two classes, the one comprising men who automatically become members who are: All officers of the association, all who have had speaking parts in the productions of the association; composers of special music, the authors of productions of the association; the six associate managers; the second class is composed of: Any other students who have been of aid to the association and who may be elected by a majority vote of the association.

The other really important change that is to be proposed is in the managerial staff of the association. Here it is proposed to place the responsibility for the success of the show primarily on the general manager, who will have to be a senior elected from the three junior managers of the previous year, and will have had three years' experience in the management of

the association's productions previous to his election to the berth of general manager. The other positions of business, stage and advertising managers will be filled by juniors, each elected from two sophomore assistant managers, who in turn will be chosen from among those competing for the positions during their freshman year.

The four managers mentioned above are to be responsible for the allotment of tickets and shall award the prize in the poster design competition.

This plan of government provides for an advisory council consisting of two members of the faculty, the president of the association, the vice-president and the general manager. This council is to judge the manuscripts submitted, to audit the accounts of the association, and to select a coach for the productions of the association.

As is seen from the foregoing, great responsibility is placed on the general manager as he is to be the chief executive officer in the producing of the association's efforts. So it is well that he is to have the benefit of several years' experience.

E. E. DEPARTMENT NOTES

Prof. H. B. Smith's next travelogue for Graduate and Senior Electricians will be held tonight at his home. The subject will be, "Ceylon and the Buddhists."

Mr. E. F. Thompson, mechanic of the E. E. Dept., has just finished two quadrant electrometer type of Wattmeters designed in the department for the measurement of very small energy on high voltage circuits. They will be added to the equipment of the High Tensions Laboratory.

1916 CALENDAR GOES TO PRESS

The 1916 Tech Calendar will be entirely different from any of its predecessors, and will doubtless be a "booster" for Tech wherever it goes. This year it will feature our rise in athletics, and the big Fiftieth Anniversary Celebration of last June.

All the material was due in by last Saturday, which accounts for the taking of the pictures of the various organizations during the last week. The Calendar is in charge of Geo. H. Abercrombie '17, and his announcement is that the contract for it has already been let to the Davis Press.

Remember, nothing will make quite such a good Christmas present as a 1916 Tech Calendar.

FIRST RECEPTION AT PRESIDENT'S HOME

President and Mrs. I. N. Hollis held the first of their "at homes" last Sunday afternoon. It was attended by nearly all of the mechanics and the heads of departments of the Institute. Another guest present was a former classmate of President Hollis at Annapolis, Captain George McElroy, who was captain of the converted yacht Gloucester in the Spanish, American war and was in the battle of San Diego.

The affair was enjoyed by everyone present and it is hoped that the attendance will be equally as great next Sunday.

The announcement has been made recently of the marriage of Norman V. Crane, ex-'16, to Miss Helen D. Miller.

REGAN'S BAY STATE HOTEL CO.

Best of Everything Popular Prices

283 Main Street

WORCESTER, MASS.



ARTHUR BUSHONG
PORTRAIT PHOTOGRAPHER
311 MAIN STREET
WORCESTER, MASSACHUSETTS

J. C. Freeman & Co.

Makers of the Best

Spectacles and Eyeglasses

QUICK REPAIRS

X

EASTMAN FILMS

DEVELOPING AND
PRINTING

376 Main Street corner Elm

L. J. ZAHONYI & CO.

149 Main Street

WEDDINGS AND PARTIES

Supplied at Short Notice

ICE CREAM, Wholesale and Retail

"QUALITY ALWAYS FIRST"

HARDWARE
CUTLERY
TOOLS

DUNCAN & GOODELL CO.

MAIN ST., COR. PEARL

HAIR CUTTING

"Tech" men, for a Classy Hair Cut, try

FANCY'S, 51 Main Street

Next door to Station A

J. H. FANCY, Prop.

The G. S. Boutelle Co.

Gift Store

265 Main Street

CARDS AND BOOKLETS

The Choicest selection ever

PICTURES AND FRAMING

Post Cards

For the Holidays, Birthdays, Anniversaries, etc. The kinds you like to send and your friends like to receive.

Your orders solicited for

Die Stamping

Initials, Monograms, and seals.

Quick, good work,
prices right.

THE JONES SUPPLY CO.

116 Main Street

BENSON CIGAR CO.

Manufacturers and Dealers in

Fine Cigars

42 Pleasant St., Worcester, Mass.

Imported and Domestic Cigars and Cigarettes at Wholesale and Retail. We carry a full line of popular Cigars and Cigarettes at Retail, also Pipes and Smokers' Articles.

Mr. Benson, who was manager of Eatbrook and Eaton's Branch for 12 yrs., is in charge.

College Boys are always welcome

Merchants' National Bank

Opposite City Hall

Assets, . . . \$10,000,000

Tel. Cedar 8605

Suits Pressed 50c.

Domblatt Brothers

The Tech Tailors

Repairing, Cleaning, Dyeing and Pressing Neatly Done

Goods called for and delivered

123 Highland Street, Worcester, Mass.
Corner Ormond

Press Every Fifth Suit Free

LANGE

PLANTS AND FLOWERS

delivered to all points in the United States and Canada

371-373 Main St. :: Worcester, Mass.

Banners Instruments

Stationery

Everything for college life

BOOK AND SUPPLY DEPARTMENT

BOYNTON HALL

Harold L. Gulick

representing

C. K. SMITH & CO.

COAL

17 Main Street

Prepared for domestic use.

Good Things to Eat

AT

Knox Bakery

119 HIGHLAND STREET

GOTHIC THE NEW ARROW

2 for 25c **COLLAR**
IT FITS THE CRAVAT



CLUETT, PEABODY & CO., INC., MAKERS

FARNSWORTH'S

Carriage and Baggage Transfer

CALVIN FARNSWORTH, PROP.

Office in Parcel Room, next to Baggage Room, Union Station

Baggage called for and Delivered promptly. First-Class Hacks and Coupes Furnished for Weddings, Receptions and Calling. Taxicabs and Touring Cars for Hire.

Union Depot Telephones, Park 12 and 13

DURGIN'S

Jeweler and Optician

EYES EXAMINED

Full Line of W. P. I. Jewelry

BANNERS FOBS
SEALS STEINS
LOCKETS PLATES, etc.

Jewelry and Optical Repairing promptly and satisfactorily done

568 Main St., opp. the Post Office

Dependable

Typewriters

Guaranteed!



FROST, 8 FRANKLIN STREET

THE TECH PHARMACY

D. F. KELLEHER, Pharm. D.

Headquarters for Drugs, Candies, Cigars
Cigarettes, Newspapers, Stationery.

Special attention to W. P. I. men.

STUDENT'S SUPPLIES

Desks, Book Racks and unique Novelty Furniture at record prices. See our Flat Top Desks at Special Student's Price, \$7.50

If your landlady needs anything
Recommend Ferdinands

Boston Worcester Fitchburg
Cambridge

Big Stock, Small Prices

FERDINANDS

Prices Save You Money

247-249 Main Street, Worcester
Corner Central Street.

NEW HAMPSHIRE PROVES BIG SURPRISE

(Continued from Page 1)

team show the form that they displayed in the Norwich and M. A. C. games. Tech's tackling was at times first class but more often was erratic. The line was outplayed most of the time, the farmers blocking no less than four punts, while the Tech forwards succeeded in blocking one only. The game was featured by the playing of Westover and Brown for N. H. State and of Duffy and Mossberg for Tech. Westover played a particularly brilliant game.

The game opened with Jenkins kicking off to Cassavant, the plucky tackle running the ball back ten yards. Stone punted, and after making two first downs New Hampshire was forced to kick and by a series of good rushes Tech carried the ball to their opponent's ten-yard line where they were held and the quarter ended.

Tech now tried a forward pass and failed. Stone tried a goal from placement, but the New Hampshire forwards broke through and blocked it, the ball going to them on their two-yard line. Westover punted, and Stone returned the punt but was again blocked and recovered by the farmers. New Hampshire failed to gain, however, and they punted again to Weitzen on the eleven-yard line. After a few plays Tech punted, then a forward brought the ball to the five-yard line and after three plays it was pushed over. Broderick kicked the goal. On receiving the kickoff, Stone made twenty yards, and shortly after Mossberg made thirty. This was one of the times that Tech showed its true form. The half ended with the ball in New Hampshire's territory.

On the kickoff in the second half Brown ran the entire length of the field through the whole Tech team for a touchdown. New Hampshire again kicked off and the honors were about even during the remainder of this period. In the last period Tech got the ball on their opponent's thirty-yard line but their forwards were then broken up and the ball went to New Hampshire who by straight rushing carried the ball the length of the field for a touchdown. Shortly after the kickoff the whistle blew.

After hearing your room-mate's views of the war for ages unending, didn't it seem rather good to listen to a speaker like General Wood?

Lineup:

NEW HAMPSHIRE—20	0—TECH
Manter le	re Duffy
Waterman lt	rt Casavant
Bell lg	rg Storrs
Harvell c	rc Canfield
Buckley rg	lg Wiedenmann
Jenkins rt	lt Banan
Brown re	le Royal
Westover qb	qb Weitzen
Woodward lhb	rhb Stone
Watson rlb	llb Mossberg
Broderick fb	fb Kalagher

Score by periods: 1 2 3 4
New Hampshire 0 7 7 6—20
Worcester Tech 0 0 0 0—0
Touchdowns, Westover, Brown, Watson. Goals from touchdowns, Broderick 2. Goals missed, Broderick. Referee, Kelley, Springfield. Umpire, Reed, Springfield. Head linesman, Larkin, Holy Cross. Time, four 15-minute periods. Attendance, 2600.

Substitutions—New Hampshire, Ford for Buckley, Russell for Brown, Irvine for Woodward. Tech, Sargent for Canfield, Dunbar for Weitzen, Canfield for Banan, Weitzen for Dunbar, Royal for Stone, Stone for Royal, Lemay for Wiedenmann, Sherwood for Royal, Banan for Canfield, Wiedenmann for Lemay, Canfield for Storrs, Warner for Stone, Stone for Sherwood, Morse for Weitzen.

MAJOR-GENERAL WOOD SPEAKS

(Continued from Page 1)

upper classes last Saturday morning in the E. E. building was a big success. By quarter of nine the hall was well filled and songs and cheers were being practiced by the three upper classes gathered there. This year has shown a vast change in the quality and strength of the school spirit and this change was decidedly manifest in the enthusiasm in the cheering and in the applause which attended every speech.

Cheer leader Farnsworth called on Manager Ward who informed the gathering of the fact that the New Hampshire team was to be supported by 350 rooters and a brass band. He added that arrangements had been made for a Tech band. Captain Banan spoke briefly on the hopes of the team and was followed by Dr. Long who spoke on the growth of Tech spirit. Coach Ostergren expressed himself as pleased with the showing the team had made in spite of the short time which it had to practice.

At this point President Hollis entered with Maj.-Gen. Leonard Wood and the Hon. C. G. Washburn. They were greeted by cheers. President Hollis introduced General Wood who spoke for a few minutes on the citizen's duty to his country in time of war. He commented on the inadequacy of the regular army alone to protect the country and drew attention to the need of a large reserve body of trained men for officers.

After General Wood's address most of the men remained in the Hall and practiced songs and cheers for another half hour. Members of the team were cheered and called on to speak. A collection taken up for the band netted about \$50. The freshmen were not present at the meeting because of lack of room, but a separate meeting was held after the English lecture. The first-year men contributed \$16 more toward the band.

The Davis Press

INCORPORATED

Good Printing for Tech Men

Graphic Arts Building, 25 Foster Street
Worcester, Mass.

Guy Furniture Co.

House Furnisher

WORCESTER

Jewelry, Watches, Diamonds Drawing Materials, Stationery

Tech Pins, Fobs and Stationery.
All makes of Fountain Pens repaired.

A. P. LUNDBORG

315 Main Street Worcester, Mass.



Longley's Lunch

113 Main Street

226 Front St.

624 Main St.

M. H. TERKANIAN SHOE REPAIRING CO.

Try us once and you will call again
Men's Sewed Soles, 75c.

Best Oak Leather
All Work Guaranteed

75a Main Street

Waterman's Ideal Fountain Pens

Safety : Regular : Self-Filler

C. A. Hanson Druggist

197 Highland Street

Fines for non-attendance or tardiness at rehearsals are being imposed by the Glee Club management. Fine! They are bound to have either a prosperous financial season, or a very good club,—or both.

U. OF M. WINS CROSS-COUNTRY

(Continued from Page 1)

man to cross the finish was Sandstrom. Powers and Butler finished in 29th and 30th positions, respectively, while Brackett followed, scoring in 45th position.

The team put up a splendid race, fighting a battle royal for fifth place with M. A. C., a difference of but five points separating them in the final count.

College	Positions	Total
Maine.....	3 7 8 9	32-59
Dartmouth.....	4 12 14 17	21-68
M. I. T.....	1 20 22 24	31-98
Brown.....	11 13 18 23	36-101
M. A. C.....	2 6 27 40	50-125
W. P. L.....	10 16 30 29	45-130
Williams.....	15 19 34 39	46-153
Bates.....	5 25 33 44	47-154

The summary:
 R. G. Brown, M. I. T. (28 : 48 1-5); H. Aiken, M. A. C. (29 : 17); R. W. Bell, Maine (29 : 25 1-5); K. D. Tucker, Dartmouth (29 : 31); W. L. Lane, Bates (29 : 37); E. S. Richards, M. A. C. (29 : 45); A. W. Wunderlich, Maine (29 : 51); E. J. Dempsey, Maine (29 : 53); F. R. Preti, Maine (29 : 53 1-5); A. W. Francis, W. P. L. (29 : 53 2-5); H. S. Litchfield, Brown (30 : 01 2-5); J. C. Myer, Dartmouth (30 : 17); A. B. Coop, Brown, (30 : 17 1-5); M. G. Sherburne, Dartmouth (30 : 17 2-5); W. H. Kelton, Williams (30 : 34).

TAU BETA PI ELECTIONS

By virtue of their ranking in scholarship together with their general popularity the following men have been elected to Tau Beta Pi, D. K. Beach, W. H. Colburn, F. G. Gifford, R. D. Horne, H. A. Maxfield, H. S. Sturtevant, P. H. Walker and A. E. Lambarano.

CIVIL SOCIETY MEETING

Professor French Gives Splendid Discussion

At a meeting of the C. E. Society held Friday night, Professor French gave an excellent discussion of the relation of theory and practice in actual engineering. Professor French used many apt illustrations from his own experience as a consulting engineer showing the very important part which "common sense" has in applying the fundamental principles of engineering to the cases at hand.

The meeting was remarkably well attended and at its conclusion a hearty vote of thanks was given to Professor French.

IMPORTANT CHEM CLUB MEETING TUESDAY

The next regular monthly meeting of the Chem Club will be held next Thursday evening at 7.30 P. M. in the Salisbury Laboratories. This meeting is a very important one, as a new constitution has been prepared and is to be acted upon. There are several new features and every chemist should be present so as to learn what is going on.

After the business meeting R. H. Kienle '16 will speak on "The Production of Nitrogen from the Air by the Cyanamide Process." His subject is based on the experience he had along this line while working this summer. Refreshments will be served.

PERSONALS

Prof. Z. W. Coombs has been made chairman of the committee of judges in the "Open-Saloon" Essay Contest, now being carried on by the No-License workers. The essays are to be on the subject, "Is the Open Saloon a Benefit to Worcester?" The other members of the committee of judges are Prof. U. Waldie Cutler of Clark, and Reginald Washburn. Particulars concerning the contest may be obtained from G. G. Davis, in the Graphics Art Building.

E. B. Tucker, a former student at Tech, is now in Panama, situated with the Health Department at Cozozal.

It is said that the reason for the unusual success of the Park Church Shuffle-board team is fourfold, being made up of four members of Tech's teaching force:—Messrs. Davis, Nelson, Rawson, and Adams. We are glad to welcome a new Tech "sport."

Among the recent visitors to the Institute have been:—

F. S. Bowker '01, who formerly held a position with the R. Hoe Co., printing-press manufacturers, and who has recently accepted an offer from the Du Pont Powder Co.;

J. P. Hogan '12, who is still holding the position which he accepted at graduation, with the Union Twist Drill Co. of Athol; and

Y. W. Clapp '12, who is with the Atlas Powder Co., Landing, N. Y.

An address on "Higher Education, with reference to Worcester Tech," will be delivered by Professor Coombs this next Friday at Killingly High School, Danielson, Conn.

A. D. Flint '93, who is deputy chief engineer of the Board of Water Supply of New York, had an interesting article in the June number of the "Journal of the American Concrete Institute," on the subject, "Concrete Forms for the Catskill Aqueduct." Mr. Flint has been selected to represent the municipal engineers of New York City at the Pan-American Scientific Conference, to be held in Washington, Dec. 27 to Jan. 8.

L. N. Reeve '06, has been transferred to the U. S. reclamation service offices at Denver, Colorado, as a designing engineer. Mr. Reeve was formerly an office engineer with the Grand River reclamation project.

F. M. Aguirre, a Civil of the vintage of '09, has a paper in the "Engineering Record" for October 28, on "Havana Rainfall Records." Mr. Aguirre is a chemical engineer in the Water Supply and Sewer Systems division of the department of Public Works, at Cienfuegos, Cuba.

LADIES' NIGHT OF E. E. SOCIETY

(Continued from Page 1)

he will show two reels of moving pictures dealing with electricity in the home, after which he will demonstrate the uses of electrical apparatus in modern house-keeping. The lecture will be followed by a dance, music being furnished by the Tech Orchestra. This attractive program, coupled with refreshments, should be sufficient inducement for every man to invite a girl and make "Ladies Night" the big success it deserves to be.

TECH ASSEMBLY

The next Tech Assembly is to be Tuesday evening, November 23, in G. A. R. Hall. The plans are for dancing and cards.

TOURNAMENTS

The Tech tournaments in checkers, chess and pool will start Dec. 6. Entries will close Dec. 4, so remember to sign up by that date at the Y. M. C. A. room or give your name to the men in charge; Kyes, '18, for the chess, Sessions '17, for the checkers and Heywood, '17 for the pool. The entry fees will be ten cents for the checkers and chess and twenty-five cents for the pool. Silver cups will be given to the winners.

Remember, these tournaments are open to everyone on Tech Hill, faculty not excepted, and this is the only chance during the year to find out who are the real champions.

W. P. I. DIRECTORY

Baseball	G. M. Pomeroy—Park 2278
Football	R. S. Ward—Park 1083
Track	T. R. Stenberg—Park 928
President 1916	R. H. Young—Park 1050
President 1917	L. R. Powers—Park 4349
President 1918	D. M. Guskil—Park 1330
President 1919	Russell Keith—Park 928
President A. A.	C. A. Stone—Park 2278
President Chem. Club	P. H. Walker—
President Civil Eng. Soc.	D. K. Beach—Park 1083
President M. E. Soc.	H. Nutt—Park
President E. E. Soc.	R. M. Thackeray—Park 1050
President Y. M. C. A.	T. W. Farnsworth—Park 2278
Secretary Y. M. C. A.	G. O. Pierrel—Park 687 W
Musical Association	E. H. Francis—Park 928
Dramatic Association	H. A. Cleveland—Park 928
President Wireless Association	W. B. Burgess '16—Park 2917M
Aftermath { Editor in Chief	E. L. Bragdon—Park 4963
{ Business Mgr.	R. W. Young—Park 1050
Tech News { Editor-in-Chief	C. S. Darling—Park 2278
{ Business Manager	V. B. Libbey—Park 1050
Journal { Editor-in-Chief	H. A. Cleveland—Park 928
{ Business Manager	C. H. Burgess—Park 1050
President Rifle Club	H. F. Banan—Park 4963
Manager Stock Room	C. L. Storms—Park 928

Mr. Eugene Frank Gray

Home Portraitist

Wishes to announce that having resigned as Vice-President and Portraitist of the Louis Fabian Bachrach Co., he has purchased the studio formerly occupied by them at 1 Chatham Street where he will be pleased to meet his many friends and patrons interested in high class portraiture at fair prices

COAL and WOOD

F. E. POWERS CO.

551 Main Street

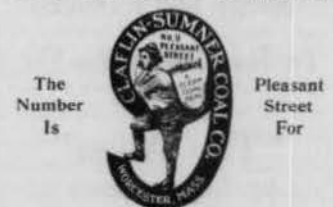
Barnard, Sumner & Putnam Co.

HEADQUARTERS

For Men's Furnishings, including Neckwear, Shirts, Hosiery and Underwear, Pajamas, Night Shirts, Sweaters, Collars, etc.

High Class Goods, In Latest Styles At Very Reasonable Prices.

GET IN TOUCH WITH



Clean Coal Satisfaction
 Telephone, Park 2100

Visit The Only Top Story Dining Room

IN WORCESTER
 State Mutual Restaurant 340 Main Street

F. A. EASTON JAMES MITCHELL
 Established 1875. Incorporated 1903
F. A. EASTON CO.
 NEWSDEALERS and CONFECTIONERS
 Cor. Main and Pleasant Sts., Worcester, Mass.
 ROBERT MITCHELL GRACE M. WHELAN

Hotel Warren
 DAINY CAFE and COLLEGE GRILL
 One block from Union Station
 Tel., Park 4350 Rooms single and en Suite

KNOW THIS FIRM



Compliments



The Robin Hood Overcoat

..An ideal coat for young men; bound to be a winner with well-dressed fellows.

Featured This Week at **\$25**

Society Brand Clothes

For Young Men and Men Who Stay Young

"The Allen"

A Suit Designed Especially for Young Men

\$25.00

Ware Pratt Co.

See Our Windows

HEYWOOD SHOES



415 Main St., (Opp. Easton's)

POLI'S
ELM STREET THEATRE

8 Acts of Vaudeville
2.15 - TWICE DAILY -- 8.15

MUSICAL CLUB'S CONCERT First Affair of the Season

The date for the semi-annual concert and dance of the Musical Clubs, to be given in the E. E. laboratory, has been announced for Wednesday evening December 8. This is a very unassuming announcement but it will create quite a stir of interest around the Hill. This concert is now a regularly established Tech custom and is one of the biggest social affairs to take place on the Hill during the entire year. According to reports it will be better than ever this year. Each one of the clubs is larger than in previous years, the number of rehearsals and concerts has been increased, and the result can only be the best concert yet. The date has been announced at this time so that everybody can make arrangements to come. Every man at Tech knows somebody who would be more than pleased to receive an invitation to this concert and it is his duty to see that this invitation is extended. Make your plans to attend now.

The Glee Clubs and Quartet with a reader are to give a concert for the Piedmont Men's Club at Piedmont Church next Thursday evening. This is the first of a series of concerts that are to be given by the middle of December.

The tryouts for a Reader will be called for in another week, the announcement for which will be posted on the bulletin board. Anyone with ability in this line wants to prepare his "piece" and come up to the tryouts.

RIFLE TEAM PRACTICE BEGINS Matches Start January 5

The active season of the Rifle Club will begin directly after the Thanksgiving vacation. Commencing the first week in December, it is the Club's intention to run off the interclass matches, for the main purpose of selecting the men who will compose the Varsity team. A match will be arranged, if possible, with one of the militia companies at the State Armory, this match to take place toward the finish of the inter-class contests.

There are all kinds of chances for new men to make the team this year. Three of the best marksmen on last year's team were lost by graduation, but it is hoped that there is plenty of material in the Freshman Class to replace them. Any student, by a little practise between now and December 1st, ought to be able to earn a place on the team which will represent Tech in the Intercollegiate Contest, commencing about January 5.

The cost of joining the Rifle Club is only \$1 and every member, though he never makes the Varsity team, will have his money returned to him ten-fold in the enjoyment of a clean sport.

Beginning on Monday, November 29, the rifle ranges will be open every afternoon from 4 to 6.

Fall Styles Now Ready :::::

Step in Some Day and
Look Them Over :::

Kenney-Kennedy Co.

The Live Store

RELAY PROSPECTS

Season Soon to Open

Although the cross-country season ended Saturday with the Intercollegiate, the runners will not have a very long respite for immediately after the Thanksgiving recess the board track is to be set up. This will be the signal for all aspiring relay men to don their stub spikes and get in some practice on the "glary glide."

With two members of last year's team as a nucleus and Powers, Knowlton and the recruits from the freshman class we should have a team which will ably support our record of previous years.

As soon as is advisable, Manager Stenberg plans to run off the interclass relays. These races are always fast and furnish an opportunity for men to show their speed on the boards. The races this year will have more than usual interest for the Seniors must win this time to retain permanent possession of the class of '90 cup, which goes to the class winning it three consecutive years.

There is another race scheduled which is always looked forward to—that with M. A. C. at the B. A. A. indoor meet. It was at this meet last year that the new record of 3 min. 12 $\frac{3}{4}$ sec. was set up over the 1560 yard course. Several other races will be scheduled as soon as the dates of the indoor meets are announced. The team has as an added incentive to good work, the trip to the Pennsylvania Relay Carnival next Spring to look forward to. Tech won last year and the year before and we hope will repeat this year.

When the time comes the Freshmen, according to custom, will be called on to help set up the board track and are expected to respond heartily.

FOOTBALL PICTURE

The varsity and subs posed for their annual picture Tuesday afternoon at Alumni Field. The picture was taken by Albert B. Moulton '17, in front of the south grandstands.

TECH'S HILL AND DALE TEAM TRIMS HOLY CROSS

Purple Cross-country Runners Not in the Race at All

Tuesday marked another red letter day on Tech's athletic calendar, when we trounced Holy Cross to the tune of 17 to 38 in the annual cross-country run. The Purple runners were not in the race for a moment, and not once were the results in doubt.

At the report of the gun, Captain Francis jumped in the lead and retained that position throughout the race. Francis was in the prime of condition and finished the last quarter-mile in whirlwind style. Hardly had Francis crossed the tape, when Sandstrom entered the gate and sped around the track for second place. Butler was the next Tech man to finish, closely followed by Potter the first Holy Cross man to cross the line. 90 yards behind Potter came Powers, running steadily and apparently in good condition. Just behind Powers came Bredenberg, the last Tech man to count in the scoring although Tech men finished 8th, 10th, and 12th.

White, Shea, Lyons, and Vezzani finished in the above order for Holy Cross. When about half the course had been covered these men were among the leaders but the Tech men showed their superior running qualities by passing them in the home stretch.

The race was in charge of Manager Stenberg. The course, 4 $\frac{1}{2}$ miles, time 25 min. 3 $\frac{1}{2}$ secs.

Summary:

Tech	Holy Cross	
Francis	1 Potter	4
Sandstrom	2 White	7
Butler	3 Shea	8
Powers	5 Lyons	9
Bredenberg	6 Vezzani	10
	17	38

MR. RALPH M. WARFIELD ILL

Mr. R. M. Warfield of '01 who was to have spoken last Friday evening before a meeting of the C. E. Society was taken with a sudden attack of appendicitis Thursday night, and was consequently unable to be present.