



# TECH NEWS



VOL. XXVII

WORCESTER, MASS., TUESDAY, NOVEMBER 5, 1935

NO. 6

## PLANS FOR RENSSELAER TRIP COMPLETED

### FRIARS WILL BECOME CHAPTER OF THETA KAPPA PHI AT CEREMONY

Local Catholic Fraternity To Hold Installation Ball At Sanford Riley Hall On Saturday Night, November 9

### TECH'S YOUNGEST HOUSE JOINS OTHER NATIONAL FRATERNITIES ON HILL

Completing five years of growth and expansion, the Friars Fraternity, the youngest house on the Hill, will celebrate its coming-of-age by joining the ranks of national houses at installation ceremonies this Saturday and Sunday. At that time the present local will become the Lambda of Theta Kappa Phi.

Five outstanding Catholics of Massachusetts and Worcester have at the present time indicated their intention of accepting honorary memberships into Theta Kappa Phi at the time of installation. They are: James M. Curley, governor of the Commonwealth of Massachusetts; David I. Walsh, senior senator from this state; Walter B. Dennen, director of the Worcester Boys' Trade School; Dr. Charles J. Burns, organizer of the Newman Club at Tech; and Rev. John P. McCaughan of the Immaculate Conception Church, chaplain of the Friars. Other honorary memberships will be announced during the coming week.

The two-day installation ceremonies for the Lambda chapter will get underway Saturday afternoon with the preliminary rituals followed in the evening by the Installation Ball at Sanford Riley Hall. On Sunday afternoon, following the presentation of the chapter charter to Martin C. Gowdey, president of the house by Harold B. Finn, national president, there will be an Installation Banquet at Putnam and Thurston's at 2 o'clock. President Ralph Earle, Mr. Finn, and several of the honorary members are scheduled to talk at that time.

Installation exercises will be the first of their kind on the Hill in more than a decade. Theta Upsilon Omega was the last house to become nationally affiliated. Their ceremonies were in 1924.

The Friars was founded in the fall of 1930 by a group of undergraduates, ten in number. Soon after their organization they obtained quarters for the new fraternity on West Street. In rapid succession expansion followed to houses at 5 Lancaster Terrace then to 20 Schussler Road. Last Summer a new house was taken at 5 Hackfield Road. This new home, consisting of twelve rooms, will be the scene of the installation exercises on Saturday and Sunday.

Theta Kappa Phi was founded at Lehigh University in 1914 by a group of students who felt the need of an organization that would give them congenial and wholesome companionship with fellow students having the same religious beliefs and the same general background. In 1920, union with Kappa Theta of Pennsylvania State College and the Loyola Club of Ohio State College formed the nucleus of the present national organization.

At the present time there are chapters of the national organization of Theta Kappa Phi at the following colleges and universities. Lehigh University, Pennsylvania State College. (Continued on Page 3, Col. 4)

### NAVY SPIRIT IS SPIRIT OF CHAPEL TALK

Prexy Shows Similarity Between College Spirit and Navy Spirit

On a beautiful moonlight fall evening some 155 years ago there was born what has ever since been called Navy Spirit. The battle was on between our leaky old tub, the "Bon Homme Richard," and the up to date new British frigate, the "Serapis," off Flamborough Head, so close to shore that in the calm fine weather that prevailed the spectators who crowded the headlands could visualize the events of the battle. Odds against our Navy overwhelming, our bursting guns killing more than the enemy's fire, yet our forefathers won, and John Paul Jones, the commander of the "Bon Homme Richard" gave the service its rather magic motto or slogan "Surrender? No. I have just begun to fight." That was a heritage from the Father of the Navy which has carried our country through, her Navy ever victorious in peace as well as war.

For actually he gave to the Navy the ideal which every officer strives and strives to reach, the ideal to help achieve which the Naval Academy was founded. John Paul Jones expressed his views as to what a young officer should be to Congress in a letter that has been preserved and which is constantly brought to the attention of our navy. It has not been improved upon. He wrote, "It is by no means enough that an officer of the Navy should be a capable mariner. He must be that, of course, but also a great deal more. He should be as well a gentleman of liberal education, refined manners, punctilious courtesy, and the nicest sense of personal honor."

Thirteen years ago yesterday Navy Day was made an annual occurrence, the idea back of the deed being to focus public attention annually on the Navy. (Continued on Page 2, Col. 2)

### PRES. EARLE TO BE "AT HOME"

Students Invited To Monday Afternoon Occasions

President and Mrs. Ralph Earle have announced that they will be "At Home" to students and faculty from four to six on Monday afternoons from November to May. These "At Homes" are exceptionally interesting and it is felt that every student has much to gain through this enjoyable social contact with the president and his wife. It is hoped that these occasions will be as well attended as in previous years.

### CALENDAR

TUES., NOV. 5—

9:50 A. M.—Chapel Services. Rev. H. N. Bartlett.

4:30 P. M.—Orchestra Rehearsal in the Gym.

7:45 P. M.—Skep Chems. meet- in in Chem Building.

WED., NOV. 6—

9:50 A. M.—Chapel Services. Rev. H. N. Bartlett.

4:30 P. M.—Band Rehearsal in Gym.

THURSDAY, NOV. 7—

9:50 A. M.—Chapel Services. Rev. M. L. Cornell.

4:30 P. M.—Glee Club Rehearsal in Gym.

FRI., NOV. 8—

9:50 A. M.—Chapel Services. Rev. M. L. Cornell.

SAT., NOV. 9—

2:00 P. M.—Football Game. W. P. I. vs. R. P. I. at Troy.

2:00 P. M.—Soccer Game. W. P. I. vs. Clark at Clark Field.

2:00 P. M.—Cross Country. W. P. I. vs. R. P. I. at Troy.

MON., NOV. 11—

Armistice Day.

### WILLIAM AHERN IS THE YANKEE PRIZE WINNER

Yankee Ingenuity Scholarship Is Awarded For Transit and Stadia

William R. Ahern of Worcester is this year's recipient of the \$500 Yankee Ingenuity Scholarship which is offered annually to the entering Freshman who has shown Yankee Ingenuity in the construction of some type of useful device. This year the prize winner was a combination transit and stadia, which was originally constructed as a geometry project, but which was later, with a few more elaborate adjustments, developed into a transit.

The scholarship is awarded each year by Henry J. Fuller, and the winner is determined by a committee who carefully examine all pieces of apparatus submitted. "The accomplishment of a useful production with materials or methods of the most primitive character," is considered one of the main factors in determining the winner. Nearly every one of the instrument parts in the transit were constructed from some discarded article. An old vacuum cleaner tube serves as the telescope, toy construction wheels as leveling screws and an old radio part as the telescope mounting. Angles are read on protractors. The tripod head was once the drum head of a wool spinning machine. A drill press and a grinder were the only machines used in the construction of the instrument. Thus it was truly a product of Yankee Ingenuity.

### STUDENTS HAVE AN EXCELLENT OPPORTUNITY TO VISIT TROY, N. Y.

The First Opportunity Of Its Kind In the History Of Worcester Polytechnic Institute

### MOOSE HUNTING IS FILM TOPIC AT CAMERA CLUB

Local Photographer Relates His Experiences To Camera Club

A very educational as well as, interesting moving picture was shown at the last regular meeting of the Camera Club which was held last Tuesday night in Boynton Hall. The picture was entitled "Moose Hunting in the Crown Lands of New Brunswick With Gun and Camera" and was taken by Mr. Chester Bushong, the well known local photographer, Mr. Ralph T. Barron, and Mr. George Ball. Before the show, Mr. Ralph Barron gave a talk on the hardships and experiences of photographing these animals. It was necessary for them to pack all their equipment for twenty-five miles as there were no roads in the bush country and he claims that packing an eighty-five pound camera and a thirty-five pound tripod is no slight task. It was necessary to obtain permission from the government to take the picture and it then required three years to complete. However, the three B's, as they call themselves, feel it was well worth the trouble in order to get a two thousand foot reel of film such as they have obtained. During the show, Mr. Barron exhibited a birch bark horn such as is used by the guides of the north woods and he gave the calls of the bull and cow moose.

A general discussion was held after the show and Mr. Bushong answered questions on developing and printing and also gave the members much valuable information on modern films. At the close of the meeting doughnuts and cider were served to all those present.

### FIRST FALL DORM DANCE A SUCCESS

Unusually Fine Crowd Present; Boyntonians Furnish Music

Sanford Riley Hall was again the scene of another fine social gathering Saturday evening, when the first in a series of fall Dormitory Dances was instituted. Patrons and patronesses for the affair included Mr. and Mrs. Paul R. Swan and Mr. and Mrs. Albert A. Schwieger. There was an unusually fine crowd of students and guests present, and inasmuch as this was the first of this series of dances, future gatherings of this type are looked forward to with great interest.

Music, as at all dormitory dances, was furnished by the Boyntonians, who outdid themselves to please students. (Continued on Page 2, Col. 1)

### THE PRICE IS CHEAP—THE TIME IS RIGHT—SO LET'S ALL GO TO RENSSELAER

During the past week and a half, plans have been growing to have a good Tech representation at the Rensselaer game on November 9th in Troy. These plans are quite complete now and have been posted on the bulletin boards around school; they are as follows:

The train leaves Worcester at 12:32 A. M. Friday midnight and arrives in Albany at 5:10 A. M. Saturday morning. It will be held on a siding for a couple of hours for the fellows to finish their sleep. The busses leave Albany for Troy about every twenty minutes and the one way fare is only 20c. Price of admission to the game is 55c.

The train leaves Albany at 1:00 A. M. Sunday morning and arrives in Worcester at 5:26 A. M. where it will again be held on a siding for a couple of hours. The special round-trip fare is \$4.00 in contrast to the usual fare of \$5.25 for one way, providing there are twenty-five fellows signed up by Wednesday, November 6. You may pay your \$4.00 in full to either the Bursar or to Ken Jones or Clint Leech, in return for which you will receive a receipt to be traded, where you paid the \$4.00, for your ticket or else, in case twenty-five do not sign up in time, for a refund. We hope that the latter will be unnecessary. Watch the bulletin boards Thursday to find out which way it will be.

Look here now, fellows. This is the first time, as far as we know, that such a trip has been planned, and the only reason we are trying it is that we think that there is enough enthusiasm about the game, and that the trip out to an engineering college about which we hear so much will be more than worth the money. You will have a full day there to look around and renew acquaintances, see the biggest football game on our schedule and see some of the sights of Troy. This is a trip foreign to engineering colleges, one that should perhaps be planned more often. You will be wasting no time travelling, and the whole weekend will be one of the highlights of your life at Tech. It is most certainly one that every man in Tech should have to remember.

Let's have everyone, then, get his reservations (with the money—good joke) in by Wednesday noon at the latest so we can be sure of this special rate. Just remember that one weekend like this will be worth ten ordinary weekends in Worcester.

### FRESHMEN ! !

News assignments Monday at 4:00 P. M. in Boynton, B-19.  
Business Compets Monday at 7:30 P. M. in basement of Boynton.

# TECH NEWS

1935 Member 1936  
Associated Collegiate Press  
Distributor of  
**Collegiate Digest**

Published every Tuesday of the College Year by

The Tech News Association of the Worcester Polytechnic Institute

NEWS PHONES { Editorial } 3-9411  
                  { Business }

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Subscriptions per year, \$2.00; single copies, \$0.10. Make all checks payable to Business Manager. Entered as second class matter, September 21, 1910, at the post office in Worcester, Mass., under the Act of March 3, 1897.

All subscriptions expire at the close of the college year.

THE HEFFERNAN PRESS  
Worcester, Mass.

## IF WE GO

If this trip to Rensselaer goes through as it is planned, we must remember that our group will be representing, to the eyes of spectators, all of Worcester Tech and "whatever we do will be held against us." That doesn't mean that we cannot have a good time; on the contrary it means that we can show our rivals just how fine a group of men there is in Worcester. We can show them that we can have a good time without breaking things, that we are a pretty good bunch of fellows and want to be good friends with R. P. I.

Let's not take the train apart, then, either on the way out or on the way back. We are grown up enough to know better than that. Furthermore, if we do the Boston and Albany will hardly be in favor of giving us a privilege like this again. As it is now, they are cooperating with us in every way to make this trip a success and we do not want to jeopardize our good standing.

And when we are in Troy, let us act like gentlemen—make friends with the Rensselaer students. If we do that, they will show us around and give us a better time than we might have by ourselves and relations between the two schools will be encouraged.

Let us keep it in mind that our group will be representative of Worcester Tech, that we are proud of our school and of what it does for us; let us show the people in Troy that perhaps Tech is a little bit better than R. P. I. Just remember these things, and leave a good impression.

## DUTY

It has become the fashion in some quarters to speak of duty as something out of date. Young people are supposed to express themselves, to seek self-development, to find ease, comfort and happiness. Is it enough for the technical student to merely seek a technical education or does he have a duty to the government which makes possible his mode of life? We take our freedom for granted as part of our heritage, thinking little of the vast amount of human effort that made free speech, a free press, and life, liberty, and the pursuit of happiness possible. Many think even less of their duty to preserve such a system, not fully realizing that a majority of the people of the earth have a large part of their freedom suppressed. One needs a broad understanding of today's great issues in order that he may serve his own interests, but any competent person should be ashamed to stop at that; for the obligation rests upon every intelligent individual to make a contribution to the common good. Today, when national hatred is springing up and various forms of dictatorships are in force, we should be determined to achieve such a victory for human welfare in this land of ours that skeptics may no longer hold our form of government up to public scorn. You must decide whether to go the way of the civic slacker or to travel the road of patriotism and public service.

### DORM DANCE

(Continued from Page 1, Col. 4)

and guests in providing that smart type of music which all college students enjoy.

Since the success of these dances depends entirely upon the students themselves, it is hoped that attendance in the future will be as fine as that of last Saturday evening.

### CHAPEL TALK

(Continued from Page 1, Col. 2)

and her importance to the country. Our navy is strong both in personnel and material and has ever given a good account of herself. The day therefore means to me an incentive to strive to develop the type of character that we all want, the type so well outlined by

(Continued in Col. 3)

## DEPARTMENT NOTES

### Physics Department

At the Physics Colloquium on Tuesday, Oct. 29, Dr. Beth repeated, for the benefit of the Department and others present, the report he recently made to the American Physical Society in New York on his discovery, made at Princeton while on leave of absence, of "The Angular Momentum of Circularly Polarized Light," a subject for research originally suggested to him by Professor Duff. Dr. Beth's work was acclaimed by the members of the Physical Society as perhaps the most definite accomplishment in Physics in the present year. Such work requires extensive and expensive equipment.

At the Colloquium on Tuesday, Nov. 5, Mr. Lawton will give an account of "The Use of Physical Principles in Prospecting for Oil." The Colloquium is held in the Physics Lecture room at 4:15 on Tuesdays and is open to all who are interested.

### M. E. Department

Professor MacCullough has been appointed chairman of the Strength of Materials Section Conference at the Annual Meeting of the American Society of Mechanical Engineers in December.

Two more modern lathes have been ordered and will be placed on the floor of the student section in the Washburn shops. By the addition of such pieces of equipment through the generosity of good friends of the Institute, the equipment of the shops is rapidly becoming something of which all of us may be proud.

### CHAPEL TALK

(Continued from Page 2 Col 2)

the words of John Paul Jones which are preserved in his marble crypt at the academy.

Education in all our colleges is built much the same way, through traditions and the desire to excel and to emulate those who have gone before. Perhaps we do not as continually bring the definite ideal to each of you to strive for, nevertheless your alma mater points out that your goal is to be the four square man, mentally, morally, physically, and socially. We have no such an inspiring cry as "Surrender? No. I have just begun to fight," although the spirit of that is in evidence always on our athletic fields—for which I admire my college shipmates—but we carry on with sound ideals such as "Paucis Fidelis," "By hammer and hand all arts must stand" and the knowledge that these things are incorporated in the seal of our college as "Learning and Skilled Art."

They are not, perhaps, so picturesquely given us, as was Jones' ideal to our navy, but are nevertheless, just as worthy.

Our college spirit is a priceless possession, one that goes on forever in us and through us to posterity. Navy Day brings that spirit to our attention again and freshens it and helps us to live up to it.

I like to think of our spirit, tradition, and feeling here as the following conversation between two officers at the close of the World War illustrates the navy's. "We feel that we are the navy, and the navy is us; yet somehow, we don't count much as individuals." "That's because we are finite," was the reply. "The individual passes—yes, but the navy's eternal."

You will, I believe, find the spirit of our college, of your life here, of what its teachers, its buildings and grounds and especially your classmates mean to you eternal.

## THE NATIONWIDE SERVICE

This is the fourth in a series of articles relating to the past and present problems at Tech, written by Robert S. Parks, '93.

November eleventh is a significant date in history.

It ushered in a new world movement in 1918; a new religious-freedom movement in 1620; a new educational movement in 1868. The Worcester County Free Institute was dedicated November 11, 1868; dedicated to a service that Seth Sweetser—that man of vision—suggested might some day become nation-wide.

And so it has.

Tested by the nativity and number of its students, it is still a small New England College. Founded originally for the benefit of the students of a single county; fostered later by the State of Massachusetts, its graduates have gone out to every state in the Union save four, to every dependency of the United States, save Alaska—and to seventeen foreign countries.

Encouraged locally, even helped initially by the contributions of Worcester mechanics, less than fifteen per cent of its graduates are now in Worcester; less than a third in Massachusetts. Virginia has more than Vermont; California, twice as many as Maine; Six per cent of its graduates live in New York—while Chicago and Philadelphia each have nearly as many as Boston.

Westinghouse has fifty; American Tel. & Tel., fifty; General Electric, forty; Du Pont, fifteen; Atlas Powder, nine; National Aniline & Chemical Co., seven.

You have heard about coaling ships at sea. If you haven't, Uncle Sam has. This was made possible by an expert in cable lore—Spencer Miller, '79

You hear of the Rockwood automatic sprinkler for fire protection—George I. Rockwood, '88.

On exhibition in the Smithsonian Institute is America's first gasoline "horseless carriage"—Haynes, '81. He is also responsible for "stellite"—holds its cutting edge while red-hot. Indispensable in munition production.

Do you know where Uncle Sam got his best khaki-colored dye—a million pounds in six months? Derick, '06, National Aniline Chemical, director of laboratory.

In the last year of the war, an instrument was devised called the submarine detector, responsible for new and successful tactics against the sub. Eveleth, '99, had a large part in its design, construction and operation.

Harry Davis, '90—is Vice-President of Westinghouse; and another '90 man, Windsor White is President of the White Automobile Company. The Siberian Railway system is in charge of Johnson, '00—who worked his way through Tech and climbed to executive positions with the Northern Pacific in record time.

To deal in personalities, that's only a few—from memory.

But the real test of Tech's service came with the call to arms.

Nearly 700 W. P. I. men were in the service—381 commissioned officers, 56 more training for commissions when the Armistice called a halt.

The class of 1917 jumped in to a man—either in the service or in the essential industries. Without military train-

(Continued on Page 3, Col. 2)

## CAMPUS CHATTER

A Hallowe'en party given in competition to the Dorm Dance proved to be the outstanding social event of the past week. The writer has discovered one thing about which the Freshmen cannot be "panned"; they certainly aren't a class of wall-flowers. The class president and the backwoodsman of New Hampshire accompanied by two other '39ers were four of the leading lights at the party. The remainder of the first year socialites were at the dorm dance upholding the honor of their class. Many outstanding facts made themselves evident at the party: the fiery Swede, who plays full-back on the soccer team, didn't seem to mind the "competition" as much as he used to (I guess he knows he has nothing to worry about); the General must be gaining weight, he broke his first chair in quite a while Saturday night; "Stevie," the general's prep school friend who was also celebrating their win over Exeter, was last seen going around a corner accompanied only by his little brown jug. After the party was slightly dampened by the appearance of Mayor Mahoney's blue-coats, the principals retired to the Mayfair to carry on; here a great problem was met by the engineer's usual ingenuity, Rallis spent most of his time in his shirt sleeves and suspenders while someone else was wearing his coat so that they would be allowed to dance. Although he didn't have a coat Rushton was permitted to dance, the bouncer probably believed that discretion was the better part of valor. The oddest sight seen during the night was six foot Murphy with a young lady who wasn't an inch taller than four feet.

Some of the Juniors got together this week and made up a petition concerning the amount of work they were being made to do by one of the Profs., but it seems their enthusiasm has been greatly dampened because the petition never reached authorities. They have probably been talking to some of the much wiser (?) seniors who know what it is to arouse the wrath of this same Prof.

The General, Walbridge, and Mike went to Melrose during the week and didn't get back until the next morning; they tried to say they went to see "her mother" but everyone knew better. We'll learn the truth when Melrose returns the call next week.

"Farmer" Johnson is the winner of the contest for prize reports; the one that bounced this week was a veritable masterpiece. It was dated 1905 and contained some of the weirdest spelling ever seen. The report, intended for Mr. Hooper and marked Mr. Whenman, was found by Mr. Staples in his box. Another senior mechanic pulled another prize bone during the week; Swan had to ask the instructor what to do with an oil can while running a motor. Mr. Hubbard's answer was emphatically to the point although it was not applicable.

This sage must be getting soft; here is an entire column with no criticisms of the Freshmen. Just wait until after the interclass Soccer and Football games, there will be plenty to write about then.

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THE CARRICK AGENCY

# STRONG R. I. STATE TEAM TAKES TECH 23-6 IN LAST HOME GAME

## Bad Breaks and Superior Aggregation Responsible For Tech's Defeat In Well Played Hard-Fought Game

### MESSINA STARS FOR R. I., ELLIOT FOR WORCESTER

A series of bad breaks, the more important of which were, the nullification of one touchdown on an offside penalty, and the Hillmen's failure to score on another opportunity, when Tech was stopped on the one foot line by a Rhode Island stone wall, together with the flawless playing of a classy crew from "Little Rhody" were the cause of Tech's dropping its fourth game in five starts. The spectacular playing of Jackie Germain was the only bright spot in an otherwise dull afternoon for the Engineers. The highlight of Germain's perfect exhibition came when he intercepted a Rhode Island pass and oozed down the field, behind perfect interference, for a touchdown. The ball was called back, however, due to a Techman's being offside.

Rhode Island scored early in the first period after a series of reverses which carried them from Tech's forty-five yard line to the three yard marker. Tech called time out in a desperate attempt to stem the R. I. tide but it was of no avail, for upon the resumption of play Mudge of State cracked the center for the necessary three yards. Keaney, State's magic-footed goal kicker substituted for Messina, and place kicked the extra point, making the score R. I. 7, Tech 0.

Tech then retaliated with a determined drive down the field, advancing from their own forty-five yard line, by a series of off tackle smashes, and end runs by Lewin and Germain, to the Rams' eighteen yard line. The Rhode Islanders took time out and when play was resumed Korolyshun tossed a well placed pass to Lewin, but it was grounded. Tech was given the yardage, however, for the referee ruled interference with the receiver. This placed the pigskin on R. I.'s five yard line. Korolyshun gained a yard through right tackle. And Germain followed suit, through center. Lewin then met a stone wall on the Ram's one foot line and the Hillmen lost the ball on downs. Keaney punted out of danger for Rhode Island.

Rhode Island State then managed to advance to Tech's nineteen yard line, and then lost the ball on downs. Korolyshun kicked to Messina who was downed by Miseveth on State's forty-seven yard line. Germain then intercepted a pass and ran forty-seven yards for a touchdown. The ball was called back, however, and Tech was penalized five yards for offside. After two futile line smashes, Messina punted over the goal line. The ball hit a Tech man on the bound, and Germain, in running the ball back from the end zone, was tackled, giving Tech a safety. This made the score Rhode Island 9, Tech 0. There was no further scoring in the first half.

Early in the third period the Techmen finally conquered the jinx that had been dogging their footsteps all afternoon and managed to score a

touchdown. Germain cantered down the field in a series of spectacular runs, advancing the ball from his own forty-eight yard line to Rhode Island State's. Korolyshun passed to Johnson and the ball reposed on R. I.'s eight yard line. Two successive off tackle smashes brought the ball to the two yard line. Germain then plowed through center for the touchdown. Korolyshun's placement was blocked. This ended the scoring in the third period.

In the fourth quarter Rhode Island made another unmitigated drive up the field on a series of successful line smashes which ended when Mudge dashed around left end for a touchdown from the nineteen yard line. Wright kicked for the extra point. This made the count sixteen to six, for State.

Tech was unable to gain any yardage after receiving the kickoff and were forced to sacrifice the ball with a punt, which Korolyshun placed on R. I.'s forty-three yard line. The Rams then started a final steady march up the field, which resulted in another tally by Wright, making the final score, after Keaney had kicked the goal, twenty-three to six in favor of Rhode Island State.

The summary:  
 R. I.—23                                      TECH—6  
 D'Orto, le ..... re, Johnson  
 Trupetto, lt ..... rt, Young  
 Lepper, lg ..... rg, Townsley  
 Robertshaw, c ..... c, Stone  
 F. McCarthy, rg ..... lg, Toubman  
 Souther, rt ..... lt, Miseveth  
 J. McCarthy, re ..... le, Raslavsky  
 Wright, qb ..... qb, Germain  
 Mantente, lhb ..... rhb, Lewin  
 Messina, rhb ..... lhb, Korolyshun  
 Mudge, fb ..... fb, Elliot

Touchdowns made by—Mudge 2; Wright, Germain. Substitutions: R. I.: Keaney for Messina, Messina for Keaney, Belisle for Trupetto, Picerno for Lepper, Kogut for Manenuto, Casey for Wright, West for F. McCarthy, Reardon for Mudge, Wright for Souther, Pattee for J. McCarthy, Keaney for Messina. Worcester: Wilson for Toubman, Toubman for Townsley, Gamache for Lewin, Beardsworth for Johnson, Folmsbee for Raslavsky, Davis for Young, Webster for Gamache.

Officials: referee, C. B. McKay, Auburn, R. I.; umpire, R. Whaples Norwich; head linesman, C. G. Melican, Worcester.

### THE NATION-WIDE SERVICE

(Continued from Page 2, Col. 4)

ing, this class shortly furnished 46 commissioned officers.

Yet—proud as is the record of the seven hundred, who laid aside their professional practice to take up the unaccustomed army and navy tasks, hundreds of other Tech men stayed by the job, consecrating their strength and skill to meeting the country's need for machinery, munitions and technical service.

In America's crisis, Worcester Polytechnic men were one hundred per cent American. They carried on.

Robert S. Parks, '93.

# CROSS-COUNTRY TEAM DEFEATED 50-15 BY R. I. S.

## New Course Record Is Made by Bill Eckhart of R. I. as Rams Make Perfect Score

The Tech cross country team was forced to take a 50 to 15 defeat over the Boynton Hill course last Saturday; the first Tech harrier crossing the line after eight R. I. runners. Bill Eckhart, the Ram pace-setter who crossed the line about ten yards in front of Irving Brown, a team mate, lowered the former course record:

First, Bill Eckhart, Rhode Island; second Irving Brown, Rhode Island; third, Bob Childs, Rhode Island; fourth, Fred Toolin, Rhode Island; fifth, Bill Andrew, Rhode Island; sixth, Cap Walter Fairchild, Rhode Island; tied for seventh, David Livingston and Roger Richardson, both of Rhode Island; ninth, Harold Cox, Tech; tenth, Jack Lancaster, Tech; eleventh, Jack Sutcliffe, Tech; twelfth, Don Houser, Tech; thirteenth, Walter Abel, Tech. Winner's time, 21 min. 14 sec.

# TECH BOOTERS SWAMP TUFTS BY A 9-2 SCORE ON ALUMNI FIELD

## Tech Shows a Strong Offense and Should Be Able To Take Clark Next Week With Capt. Brand Playing

Worcester Tech Booters easily took Tufts into camp with a 9 to 2 score. Tech found the going fairly easy and showed a powerful attack. McEwan the star forward personally booted in five goals and assisted in several more. Borden booted in three. The defense was very good with Gurnham and Leech, Gurnham filled in as goalie after Howes was forced to retire. Howes played a good game but an injury from last week was aggravated under rough play and it looks like he would be unable to play against Clark next week.

The summary:  
 TECH—9                                      TUFTS—2  
 Fowler, of ..... of, Guzewicz  
 Borden, if ..... if, Cornwell  
 McEwan, cf ..... cf, Coolidge  
 Holt, irf ..... if, Harris

Mudgett, of ..... of, Kerr  
 Leech, lhb ..... ohb, Bounakas  
 Gurnham, chb ..... chb, Lewis  
 Hollick, rhb ..... lhb, Hopkins  
 Powell, lf ..... rfb, Lister  
 Erickson, rfb ..... lf, Hopkins  
 Howes, g ..... g, Galuska

Goals made by: McEwan 5, Borden 3, Holt, Coolidge, Healey.

Referee: Dan Cummings.

### FRIARS INSTALLATION (Continued from Page 1, Col. 1)

Ohio State University, University of Illinois, University of New Hampshire, City College of New York, Ohio Northern University, Cornell University, Temple University, University of Oklahoma, and the Missouri School of Mines.



# Pipe Lines that couldn't fail and didn't...with Lindewelding\*

OVER the wastes and swamps of the Deltas of the Mississippi River, pipe lines had to be laid for a sulphur plant. Failure was unthinkable! Once laid, these lines had to stand up... without leakage or troubles that would jeopardize operation of a costly investment. This was the exacting demand that had to be met... even though piling for the trestles to support the line would sink 30 feet of its own weight.

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\*Lindewelding is a new method of oxy-acetylene welding developed by the Linde engineering and research organizations. This method requires less oxygen, less acetylene and less welding rod. Welds can be completed in less time. Yet Lindewelding involves only a special flame adjustment and a "back-hand" technique, together with Oxweld No. 24 Lindeweld Process Welding Rod. When circumstances permit, the Multi-Flame Lindeweld Head can be used to increase further the speed of Lindewelding. This head costs \$7.75. Lindewelding is consistently saving 15 to 40 per cent in welding time, rods and gases.

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**FRACHAT**



**LAMBA CHI ALPHA**

Tripp took up detecting in a big way this week when his sax mysteriously disappeared. However, being as good a detective as he is a sax player he had to give up and return Watkins' picture for the sax. The boys stood the sax for two days then removed the mouthpiece which is still missing. We wonder what was in that letter that Tripp bought from Chan Pierce.

**THETA CHI**

The "Tan Terror II" was seen departing in the direction of Northampton last Saturday afternoon with a large bicycle nestling in the rumble seat. We venture to guess that "Red" is going to use the bicycle until the skiing season gets under way.

Several times during the last week Howland and Downey have been seen gazing with hungry gleams in their eyes into the window of a certain Bakery Shop on Main street, seeking their silent love. "Where's Midge?" they ask mournfully and then wander away.

Davis and Johnson brought home a little pussy-cat the other night, much to the disgust of Rex, who doesn't seem to care for cats at all. We expect hostilities any day now.

**PHI GAMMA DELTA**

As we have the misfortune this week to have no news concerning "Red

Terror" or "Horsechair Charlie," the which we also have none of, it is our purpose to publish a very instructive article on the prevention of colds. This is a most opportune time we feel to discuss such a topic.

An important point to remember in avoiding colds is to keep the teeth and mouth scrupulously clean. Don't spare the tooth brush, either morning or night. A still more serious danger than mouth infection lies in incomplete intestinal functioning. By getting plenty of sleep, and by taking precautions against damp feet, either from perspiration or moisture from the outside, you should easily be able to reduce your susceptibility to taking cold to one-third of what it would be ordinarily. This is a long step toward attaining the goal of 100 per cent efficiency in health and energy, which should be every student's aim. Yours for less colds! By heeding the above instructions we have had only thirty-

five cases of colds at the house during the last two weeks.

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