

Basketball and Swimming Practice Begin this week.

Z 320

# TECH NEWS

Freshmen: Save the attached fraternity lists for your convenience and reference.

VOL. XXIX WORCESTER, MASS., TUESDAY, NOVEMBER 16, 1937 No. 7

## Sophomore Gridsters Take Over Freshmen 6 to 0 at Annual Game Toward Goat's Head Trophy

### Many Fumbles Mark Playing As Rain Soaked Gridiron Proves Slippery

RAY FORKEY STARS

### Lambert Runs Around Right End For Touchdown and Only Score of Game

On Saturday afternoon, last, twenty-two thoroughly soaked and mud-covered grid representatives of the classes of '40 and '41 dove and swam over the soggy turf of Alumni Field in the annual battle of the Goat's Head series. The sophomores emerged from the driving rain the 6-0 victors, thus gaining two points towards the coveted Goat's Head trophy. The game was marked by many fumbles made excusable because of the slippery condition of the ball and as usual the kicking and passing of the Soph leader, Ray Forkey, was outstanding. Scott, the freshman fullback, got off several good boots considering the way he was hurried by the '40 forwards. These same forwards blocked two of Scott's kicks, the first leading the way to the lone score.

#### First Period

The Frosh elected to kick and this they did, to Lambert on the 15 yd. line. Lambert returned to the 40 before he was tipped. After one "surprise" play and two unsuccessful line plunges netting no gain, Forkey kicked to Atkinson who splashed to the 30. On this run-back, the freshmen were found guilty of clipping and were penalized the customary 15 yards. The next play netted only a slight gain and Scott then kicked a beautiful 50 yard punt, but the play was called back for an offside penalty of five yards. Again Scott dropped back to kick but Hotchkiss and Ray-maker slushed in and blocked the boot, the ball being recovered by Fritch on the six yard line and he carried to the 2 yd. marker before he was downed. Forkey was smeared on the first play and on the next play Lambert slipped to lose a yard but on the third down Lambert scampered around his right end for the touchdown and the only score of the game. Forkey's pass to McLeod for the point slipped thru the latter's fingers in the end zone.

#### Score 6-0

Forkey kicked off to Scott who was submerged in a puddle on the 40 yd. line. The next two plays failed to gain and Scott kicked over Lambert's head. Lambert picked up the ball on the goal line and carried back to the 20 yd. line. Lambert was hurt on this play and was replaced by McDonald. Andrews replaced Carrol at center for the Frosh as the quarter ended.

#### Second Period

It was the Soph's ball on their own 20 yd. line. Forkey's fake-kick pass failed and Forkey kicked over the goal line but Atkinson carried back to the 20. Scott then slogged around right end for a gain of 30 yds., putting the ball on the 50 yd. line. The next pass failed and then he attempted to kick

(Continued on Page 4, Col. 1)

## Sophomores Win In Interclass Soccer Game 2-0

### Incessant Downpour Makes Game a Defensive Battle; Mayer Scores

Undaunted by the incessant downpour which the frosh have claimed dampened the spirit of their rivals and has been the setting for all the victories of the first-year men the booters of the upper-class fought their way to an impressive score over their inferiors.

After the opening kick-off, the heavy and water-logged pellet commenced its uncertain way from one end of the field to the other by the hampered toes of the opposing teams with neither side having a decided edge. It was certain to be a defensive game rather



than an aggressive one. Near the end of the first period, the stalwart defence-men of the second-year team drove the ball into their opponents' territory from where Dick Mayer got off a hard kick which bounced off a fullback's foot into the goal. Midway in the second period after several threats by both teams, Mayer got off another long boot which skipped off a puddle and into

(Continued on Page 3, Col. 3)

## Constitution of the United States Is Subject of Dean Coombs At Fuller Lecture Talk

### Monthly Meeting Of A.S.M.E. Held In Dormitory

### Residential Air Conditioning Subject of Talk Given by E. L. Sylvester

On last Tuesday evening the Worcester section of the American Society of Mechanical Engineers held a meeting in the Lounge Room of Sanford Riley Hall. A large body of students from the Worcester Tech student branch attended the meeting.

Speaker for the evening was Mr. E. L. Sylvester, graduate of Brooklyn Polytechnic Institute in 1922, and Sales Manager of the Kelvinator Electric Company. He was introduced by Mr. Howard who explained that the subject of "Air Conditioning" had been chosen from answers to a questionnaire presented to the Worcester members of the Society.

Mr. Sylvester's talk concerned Kelvinator's part in residential air conditioning, a subject about which, he said, little is known as yet, but which has great possibilities. He asserted that such conditioning depends on improvement of home construction by making new homes more air-tight, preferably by concrete construction, and the more extensive use of insulation, such as rock wool. Because of these prerequisites, existing residences show little

(Continued on Page 2, Col. 3)

## Theta Kappa Phi Opens New House At 26 Institute

### Catholic Fraternity to Move To New Quarters Before Rush Week Opens

Opening a new house just before the annual Rushing Period, Theta Kappa Phi has moved into its new home right in the middle of "Fraternity Row." This fraternity, the youngest of the national chapters on the campus, has its quarters at 26 Institute Road.

This fraternity, known as the "Friars" until it became a member of a national fraternity in 1935, chooses its members exclusively from among the Catholic students of the Institute. Supported by an active group of Worcester Catholic men, known as the Aquinas Association, it has been made possible for this chapter to move into its new and larger quarters. This society is interested in promoting the welfare of Catholic students attending Tech and has chosen this fraternity as a nucleus around which to work.

The new home is located on the corner of Wachusett Street and Institute Road. With the moving of this fraternity to the east side of the school, Lambda Chi Alpha remains as the only house on the other side of the Hill.

### Mr. Coombs Welcomed Back At Institute He Served Forty-six Years

#### AUTHORITY ON SUBJECT

### Discusses Events Leading Up To Ratification of Constitution

Zelotes Woods Coombs, Dean Emeritus and Professor Emeritus of Worcester Tech, was heartily welcomed back by the faculty, student body and guests to the Institute from which he retired last June after forty-six years of faithful service when he spoke last Friday on "The Constitution of the United States" in this year's second Fuller Lecture.

"Right now there are many attacks on the Constitution," he said. "Our nation is what it is now from the adoption of the Constitution and trying to follow it."

"Law and order has resulted from government under the Constitution. It is our duty to continue to preserve law and order by it."

"We may have many foreign nations as enemies," he continued, "but if we are not prepared for war, we will be in the same condition as China and Ethiopia. But more insidious than these foreign enemies are those in this country who attack the Constitution and the Supreme Court of the United States."

Defending his right to lecture on the Constitution, Dean Coombs stated that he had studied to be a lawyer at the University of Virginia, but had spoiled a good lawyer to become a mediocre English Professor.

Continuing on his theme Dean Coombs said that the Constitution can be amended at any time. As soon as the document had been ratified and put in effect as the "Supreme Law of the Land" the first ten amendments better known as the Bill of Rights were added. Since then thousands of new additions have been proposed. Of these thousands only eleven more have been added.

As to the Supreme Court he said, "The Supreme Court is the real central feature of the present Constitution. There would still be chaos without it. In truth the Supreme Court has been the steady influence between the Executive and the Legislative branches of the government."

He proved by tracing its history that the Constitution was not "forged in a single stroke by man's mind" as some people believe. The Magna Charta and the William and Mary Bill of Rights were a few of the prenuptial steps in the composition of our Constitution. However, it was the Stamp Act of 1765 that started any action on the part of the Colonists. Delegates from the Thirteen States met in their first gathering in New York City to discuss and assert their rights against England's harassings.

Later in September of 1774 the first Continental Congress met. This was followed by the second Congress which

(Continued on Page 3, Col. 2)

## NEXT DORM DANCE - SAT., NOV. 20

# TECH NEWS

REPRESENTED FOR NATIONAL ADVERTISING BY  
**National Advertising Service, Inc.**  
*College Publishers Representative*  
 420 MADISON AVE. NEW YORK, N. Y.  
 CHICAGO - BOSTON - LOS ANGELES - SAN FRANCISCO

1937 Member 1938

**Associated Collegiate Press**

Distributor of  
**Collegiate Digest**

Published every Tuesday of the College Year by  
**The Tech News Association of the Worcester Polytechnic Institute**

EDITOR-IN-CHIEF  
 Charles C. Bonin, '38

MANAGING EDITOR  
 C. John Lindgren, Jr., '38  
 NEWS EDITOR  
 Allen R. Deschere, '38  
 SECRETARY  
 Byron H. Wilson, '38

BUSINESS MANAGER  
 Robert M. Taft, '38  
 SPORTS EDITOR  
 Everett W. Leach, '38  
 CIRCULATION MANAGER  
 Robert B. Abbe, '38

JUNIOR EDITORS  
 Henry S. Blauvelt, '39 O. John Karna, '39 Carl W. Lewin, '39  
 Robert V. Bergstrom, '39 Paul W. Keating, '39 Robert S. Lloyd, '39

ASSISTANT BUSINESS MANAGERS

Jack F. Boyd, '39 Walter H. Sodano  
 REPORTERS  
 Thomas S. Wingardner, '40 W. Clark Goodchild, '40 Charles McDonald, '40

NEWS PHONES } Editorial 3-9094  
 } Business 3-9411

### TERMS

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.

## — editorials —

### this peace matter

At the beginning let it be stated that this editorial is not intended to add fuel to the fire now raging about "peace at any price—to us"; but rather is to be just a few comments on the criticism heaped upon the NEWS because of this editorial. It seems the cause of most of the criticism was the use of the word "sucker" as applied to those who fought in the last war. It is unfortunate that this word was used; it would perhaps have been better to say that these participants in the war were, like the country yokel who was taken by the city slicker with his shell and pea game at the county fair, duped.

The brunt of the criticism was heaped upon the NEWS by one of the local evening papers in an article which gave the comments made on the editorial by six leading citizens, all past or present ARMY OFFICERS of some rank. The writer of this article must have forgotten that newspapers usually report news fairly and give both sides to a question. The reporter for the city paper could very easily have asked some students at Tech what they thought of the editorial or better still he might have asked a mother in the city who lost a son or two in 1918-19 and has a grandson in high school now what she thought of the editorial.

To be specific: To Mr. G. W. Jones. The writer of that editorial could hardly have "crept into Tech" for of the seven men on the staff who could have written the article (the Editor and the six Junior Editors) six were given entrance scholarships to the school, thus showing that the school might have wanted these men.

To Mr. Clyde O. Elliott: The only reason this editorial is being written is that student opinion, as voiced to all members of the staff, does agree with the previous editorial and does "reflect the spirit" of the Tech Student as in concord with it.

The cause of the trouble we believe lies in the very partial reporting of the event by the city paper. That this fact was recognized can be seen from the Evening Post editorial the night following Armistice Day in which back stepping was easily recognizable and the following statement appeared: "There is no doubt that the editorial in the TECH NEWS represents a sincere feeling of worry and bewilderment in the present college generation." This last sentence written by a person who seems to US to have a much less unbiased opinion than the reporter who wrote the news item explains the original editorial completely.

To those veterans who were offended by what seemed to them to be "stupid and uncomplimentary ridicule" we are sorry they misinterpreted the editorial. We want to take none of their glory from them, but we want none of it for ourselves. Tech men are NOT cowards. Give any one of us the chance to enter the government service in the fight to rid the country of its enemies within, the criminals, murderers, racketeers, etc. and we'll jump at the chance; but we cannot understand the logic behind sending us to a carnage in a foreign land.

### rushing vs. studies

A few years ago a new set of rushing rules was made in order to make it possible for everyone to get a little studying done—a thing virtually impossible in previous years. Rushing time was reduced to a minimum, allowing only four hours a day in which the freshmen could inspect the fraternity houses. With these new rules one might be inclined to believe that every fraternity man has ample time to prepare his lessons during the rushing period; however, this is far from being true. After the freshmen leave at nine-thirty P. M., there are always informal meetings at which time the guests for the evening are carefully considered. Thus it is after eleven o'clock before the average fraternity man begins his preparatory work for the following day with the result that it is nearer two or three o'clock before he retires, if he can study that long.

The TECH NEWS, therefore, wishes to ask the members of the faculty that during rush week assignments may not be lengthy as at other times. We are grateful that no major examinations are scheduled for this period and we now hope that the faculty will slow up the rate of work a bit.

Rushing, to some members of the faculty, may appear to be a "college evil." However, if this is true, we can only say that it is a necessary evil which must be maintained. It takes members to make up a good fraternal organization and only by means of our annual rushing periods can each fraternity expect to secure its quota of new members.

## Department Notes

### Chemistry Department

The senior class in conjunction with Professor Petrie's course in Principles of Chemical Engineering made their first inspection trip of the year to the Merrimac Chemical Company, Inc. on Friday afternoon, November 12, 1937. After the inspection trip the members attended the meeting of the North-eastern Section of the American Chemical Society at the American Academy of Arts and Sciences. The evening speaker was Dr. Vincent du Vigneaud, Professor of Biochemistry at George Washington University Chemical School.

The Merrimac Chemical Company, located on the banks of the Mystic River at Everett, Mass., is one of the important manufacturing links in the chain of the Monsanto Chemical Works of St. Louis with which the Merrimac Company consolidated in 1929. Following a serious fire at the Everett plant in 1930, a broad plan of consolidation was undergone, involving the relocation of the Boston general office at Everett where a virtually new plant was built. The company has now broad facilities for research, new development and wider distribution of goods. Of especial interest is the contact sulfuric acid plant, the fermentation plant, and the plant for the manufacturing of dry ice.

Many members of the Worcester Chemists' Club visited the plant and also attended the evening meeting of the Northeastern Section of the American Chemical Society.

### Physics Department

Professor Lawton discussed photo-electric phenomena at the Physics Colloquium on Tuesday, November 9. Recent developments in the theory of photo-electric emission were reviewed and his paper closed with a description of the characteristics of the general classes of photo-sensitive cells available.

Dr. R. T. Young Jr. is the speaker for the Physics Colloquium of Tuesday, November 16. His subject will be "Dissociation of Gases by Electron Impacts."

### Monthly Meeting of A.S.M.E. Held in Dorm

(Continued from Page 1, Col. 4)

adaptability to economical air-conditioning.

Actual test homes have been set up by the Kelvinator people, stated Mr. Sylvester, in which persons have lived for more than two years. One of these homes, in the \$7000 class, was completely air-conditioned summer and winter and supplied with hot water at a cost of \$186 annually. He concluded with a statement that residential air-conditioning is one of the nation's most rapid-growing industries and would be one of the largest in the country within the next quarter century.

## The Fancy Barber Shop

89 Main Directly over Sta. A  
 POST OFFICE

Good Cutting Six Barbers  
 No Long Waits

Established 1821 Incorporated 1918

## Elwood Adams, Inc.

154-156 Main Street  
 WORCESTER, MASS.

Hardware, Tools and Paint  
 Lighting Fixtures and Fire Place  
 Furnishings

## Assembly Scene of Tau Beta Pi Fall Pledging

(Continued from Page 1, Col. 2)

Frederick Burg was on the Junior Prom committee last year, is a member of Sigma Omega Psi social fraternity, and associate member of Sigma Xi, honorary scholastic fraternity.

Albert Kullas is president of Civil Engineers, a member of Theta Kappa Phi fraternity and an associate member of Sigma Xi.

Allen Deschere is News Editor of the TECH NEWS, a member of the Tech Glee Club and an associate member of Sigma Xi.

Walter Abel is a soccer team letter man and a member of Phi Gamma Delta.

John Hollick is a soccer team letterman and a member of Phi Sigma Kappa.

Albert Raslavsky is a member of the football team, letterman in basketball and baseball, and a member of Theta Kappa Phi.

## QUALITY RESTAURANT

129-131-135 Main Street

CHOICE FOOD AND BEVERAGES

Dancing Every Friday and Saturday

5c 5c

*This ad is worth 5c to you at our fountain towards the purchase of a Frappe, Malted Milk or Cabinet*

**ARKUS PHARMACY**

107 HIGHLAND ST. 5c



**BEAT TROUBLE TO THE PUNCH!**

A BROKEN insulator—fungi in a pole—dust in central office apparatus—a hundred things *might* interfere with your telephone service. **C.** They rarely do interfere because of this Bell System practice: Look for trouble before it happens—don't let it happen. **C.** Preventive maintenance keeps the System always ready to carry your voice wherever you wish—quickly, clearly, at low cost.

Why not call home tonight? Rates so most points are lowest any time after 7 P. M. and all day Sunday.



**BELL TELEPHONE SYSTEM**

# TECH FRATERNITY MEN

## PHI SIGMA KAPPA

11 Dean Street

Founded March 15, 1873  
at Mass. State College  
Total Membership—15,000

Epsilon Deuteron Chapter  
11 Dean St.  
Active Chapters—53

In 1909 six men of the Institute founded and started a local fraternity known as Theta Chi. When a chapter of the national fraternity Theta Chi came to Tech in 1911, the name was changed to Kappa Xi Alpha. This fraternity, still local, remained until 1915 when it became a chapter of the national fraternity Phi Sigma Kappa. Now, every member of Phi Sigma Kappa automatically becomes a member of Kappa Xi Alpha, the Alumni corporation.

Phi Sig acquired the house at 11 Dean Street in 1915 and added the "Annex" in 1928 making it possible for thirty-one men to live in the combined house and annex.

**Faculty:** Prof. F. W. Roys, Dr. A. W. Duff, Prof. D. G. Downing, Dr. Stauffer.  
**Seniors:** R. B. Abbe, C. C. Bonin, A. L. Delude, Jr., D. L. Milliken, J. S. Mudgett, E. E. Turner, T. E. O'Neil.

**Juniors:** J. L. Bartlett, Jr., R. V. Bergstrom, J. H. Blaisdell, H. S. Blauvelt, T. G. Bourne, H. Duchacek, J. G. Hollick, O. J. Karna, E. N. Ljunggren, W. D. Messimer, R. B. Mirick, J. H. Newton, A. A. Nims, Jr., C. E. Stauffer, M. C. Wilson, R. B. Wilson, H. W. Humphrey, Jr., L. E. Stratton.

**Sophomores:** F. L. Abbott, Jr., H. L. Anderson, P. D. Bartlett, R. S. Brand, J. H. Dower, C. G. Flygare, Jr., K. C. Fraser, W. C. Goodchild, S. W. Kimball, C. C. McDonald, T. S. Wingardner, Walter Sodano.

## THETA UPSILON OMEGA

30 Institute Road

Founded by  
Amalgamation of Ten Chapters  
May 2, 1924  
Active Chapters—17

Beta Alpha Chapter  
Founded  
May 2, 1924  
Total Membership—3000

Theta Upsilon Omega, second youngest national fraternity at Tech, did not become national until 1924, when ten local fraternities at different colleges in various parts of the country amalgamated to form the present Theta Upsilon Omega fraternity. Since then there have been seven additional chapters at various universities to join this national organization.

The Tech chapter, Beta Alpha, was founded as Delta Tau, February 17, 1906, by nine men headed by W. L. Roberts, '08, and Roland A. Packard, '08. Since then the fraternity has had three homes, until 1911 at 66 Park Ave., until 1919 at 143 Highland Street, after which location the present quarters at 30 Institute Road were purchased.

**Faculty:** Prof. A. J. Knight, Prof. K. G. Merriam, Dean J. W. Howe, Prof. G. H. MacCullough, Mr. J. B. Chamberlain.

**Seniors:** J. R. Buck, E. W. Leach, R. G. Munson, R. M. Taft, B. H. Wilson, B. C. Kimball.

**Juniors:** W. Arter, Jr., J. F. Boyd, F. J. Folmsbee, R. E. Grant, C. W. Lewin, V. J. Liberty, C. J. Lindgren, Jr., B. W. Ordway, N. A. Packard, S. P. Stafford.

**Sophomores:** R. J. Forkey, F. G. Gustafson, B. A. Lambert, J. R. Mott, D. L. Stevens, F. R. Waterhouse, R. Whitehead, E. W. Armstrong.

## LAMBDA CHI ALPHA

30 Trowbridge Road

Founded at  
Boston University  
November 2, 1909  
Active Chapters—84

Pi Zeta Chapter  
Founded  
June 15, 1913  
Total Membership—14,000

Pi Zeta of Lambda Chi Alpha was started as a local fraternity, Zeta Sigma Tau, on December 5, 1912, by a group of Juniors in the class of 1914. The new local fraternity was granted, on June 15, 1913, a charter from the national fraternity, Lambda Chi Alpha. The development of the new chapter was permanent. The first chapter house was located on Fruit St., but in 1916, the present house at 30 Trowbridge Road was purchased and has been occupied by the chapter since that time.

**Faculty:** Prof. C. D. Knight, Prof. H. A. Maxfield, Prof. R. K. Morley, Mr. W. W. Locke.

**Seniors:** R. P. Day, R. I. Gray, J. A. Holbrook, D. W. Howe, Jr., R. K. Houston.

**Juniors:** R. Anderson, R. L. Berry, D. M. Burness, C. I. Ferguson, Jr., O. A. Fick, Jr., D. H. Hunt, P. W. Johnson, R. Karakoosh, W. L. Kay, F. S. Pyne, S. E. Scott, F. E. Strandberg, E. L. Sykes, C. W. Thulin, R. F. West.

**Sophomores:** C. H. Allen, E. S. Anderson, D. R. Bates, G. S. Bingham, R. A. Coleman, C. L. Gerald, R. Glencross, W. T. Gove, P. K. Hathaway, D. G. Howard, Jr., F. E. Johnson, R. G. Johnson, J. L. Krause, R. G. Mayer, G. W. Nurmi, B. G. Potter, C. F. Swasey, Jr., S. M. Terry, J. S. Walter, R. E. Dunklee, C. J. Wilde.

## PHI GAMMA DELTA

99 Salisbury Street

Founded at  
Washington Jefferson College  
April 22, 1848  
Active Chapters—73

Pi Iota Chapter  
Founded  
November 21, 1891  
Total Membership—30,000

Pi Iota Chapter of Phi Gamma Delta founded its local chapter in the fall of 1891. A year previous to that a student who had transferred to Tech, which was then a small college, together with several of his chums decided to band together in a club. As fraternities were just coming into popularity, a petition was submitted to Phi Gamma Delta, and the society was admitted in November, 1891. After several experiments in location, the active chapter then purchased the property at 99 Salisbury Street from Stephen Salisbury, and built the present house there in 1899.

**Faculty:** Dr. L. L. Atwood, Prof. W. L. Phinney, Jr.  
**Seniors:** R. M. Elliott, H. W. Haynes, W. E. Knapp, M. L. Kuniholm, G. W. McKenna, R. L. Somerville, R. G. Young, R. A. Evans, W. D. Holcomb, L. T. Allen.

**Juniors:** W. L. Abel, M. R. Chandler, C. K. Hitchon, D. E. Houser, W. E. Lang, Jr., R. S. Lloyd, D. McEwan, A. H. Rand, J. T. Rushton, A. C. Stone, R. J. Hamilton.

**Sophomores:** W. H. Bosworth, H. L. Cameron, A. S. Dinsmore, S. J. Haselton, W. C. Hotchkiss, H. B. Jenkins, M. H. Knapp, D. A. Kuniholm, J. H. Peters, Jr., H. W. Shaw, Jr., S. K. Lang, E. J. Lawton, Jr., C. F. Fitch, D. R. Ramaker.

## THETA KAPPA PHI

28 Institute Road

Founded at  
Lehigh University  
October 1, 1914  
Active Chapters—11

Lambda Chapter  
Founded  
November 10, 1935  
Total Membership—2,500

At Lehigh University, Bethlehem, Pa., in 1914 a group of twelve men with similar ideas and beliefs bound themselves together and formed an organization known as the X Club. The group prospered until the war, when the entire membership enlisted. Following the war, only three of this group returned to Lehigh. These men, after reorganizing the X Club chose the Greek letter name of Theta Kappa Phi for their new organization. Affiliation with a similar organization at Penn. State, members of which had been buddies in France, with the X Club group formed the nucleus for the national fraternity, which has since spread throughout the United States.

**Faculty:** Prof. S. H. Fillion.  
**Seniors:** R. F. Burke, Jr., Z. Burzycki, L. J. Cronin, T. B. Gruzdis, A. E. Martell, A. J. Kullas.

**Juniors:** T. F. Beatty, Jr., R. T. Korolyshun, A. H. Malbeouf, E. M. Moggio, J. P. Molony, A. J. Raslavsky.

**Sophomores:** D. A. Bowler, R. J. Cannon, C. V. Charbonneau, P. N. Gaidis, Jr., E. L. Gravlin, W. F. Gruzdis, A. Maggiolo, N. R. Maleady, E. A. Martell, R. B. Shlora, D. A. Bundza, D. J. Fitzgerald, R. E. Lupien.

## SIGMA ALPHA EPSILON

6 Humboldt Road

Founded at  
University of Alabama  
March 9, 1856  
Active Chapters—108

Mass. Delta Chapter  
Founded  
April 10, 1894  
Total Membership—44,800

Sigma Alpha Epsilon Fraternity was founded on the ninth day of March, 1856, at the University of Alabama, in the old city of Tuscaloosa. Eight students who had become hard and fast friends were the founders of this society.

The Massachusetts Delta chapter of Sigma Alpha Epsilon had its origin in what was known as the Tech Co-operative Society which was founded in the fall of 1892. The society form of organization was adopted because there was faculty opposition to fraternities at that time, but in the spring of '93 application for a charter was made to the national S. A. E. fraternity and as a result, the new chapter was installed on March 10, 1894.

**Faculty:** Mr. C. W. Hubbard, Prof. C. M. Allen, Prof. M. L. Price.  
**Seniors:** J. G. Despotopulos, N. A. Fitzgerald, R. W. O'Brien, R. J. Perreault, E. K. Rogers, R. H. Tolman.

**Juniors:** W. R. Ahern, A. H. Chase, G. E. Feiker, Jr., L. B. Landall, P. E. Meany, G. E. Monchamp, L. G. Rourke, Jr., B. A. Schmidt, R. O. Steele, E. R. Vickery, Jr., W. B. Wadsworth, G. W. Yule.

**Sophomores:** W. T. Blades, A. W. Bodreau, J. T. Bradshaw, R. H. Dexter, H. W. Eddy, E. E. Hafey, G. P. Hastings, A. R. Koerber, T. P. Love, R. M. Lupien, J. H. MacLeod, P. A. Muto, E. F. O'Gara, Jr., R. J. O'Malley, J. J. Platukis, J. F. Ryley, R. F. Scharmann, J. H. Sloan, C. H. Stenlund, A. Stevenson, C. F. Sullivan, L. R. Sullivan, R. M. Swift, R. W. Trottier, H. C. Burdett, M. Carangelo, J. D. Savaria, G. F. Thomas, Jr.

## ALPHA TAU OMEGA FRATERNITY

24 Institute Road

Founded at  
Virginia Military Institute  
September 11, 1865  
Active Chapters—94

Mass. Gamma Sigma Chapter  
Founded  
November 27, 1906  
Total Membership—33,300

The Worcester Tech Chapter (Mass. Gamma Sigma) of Alpha Tau Omega began as a local fraternity known as the "Arm and Hammer," in the fall of 1903. A constitution was drawn up, and the name "Arm and Hammer" was adopted. The idea being taken from the Tech seal and the spirit which it indicated. The club acquired a house on West St., and there, in 1906, it was installed into Alpha Tau Omega. The present chapter house is at 24 Institute Road.

**Faculty:** Prof. H. P. Fairfield, Prof. J. E. Fitzgerald, Prof. T. H. Morgan, Prof. H. H. Newell.

**Seniors:** A. A. Davis, J. V. Delany, F. H. Jenkins.  
**Juniors:** J. P. Alcock, F. B. Banan, Jr., A. R. Constant, Jr., J. W. Hughes, R. A. Jacques, J. H. Lancaster, R. W. Martin, C. K. Olson, R. B. Piper, E. Roszko, M. C. Wilson.

**Sophomores:** R. E. Bates, K. R. Blaisdell, G. F. Boynton, F. A. Crosby, Jr., F. J. Delany, A. W. Francis, R. E. Higgs, P. W. Keating, R. T. Messinger, F. B. Miller, W. A. Patterson, R. E. Ryan, W. R. Terry, Jr., R. H. Gibbs, P. E. Sherman, W. G. Thatcher, J. I. Thurston.

## THETA CHI

85 Salisbury Street

Founded at  
Norwich University  
April 10, 1856  
Active Chapters—50

Epsilon Chapter  
Founded  
March 20, 1909  
Total Living Membership—10,000

On October 12, 1905, nine undergraduate members of the Worcester Polytechnic Institute formed a society which they called Pi Omega Pi. This fraternity began as an athletic society, and one of the restrictions for membership used to be that a candidate must have received a varsity letter in one of the recognized sports at Tech.

The first home of Epsilon Chapter was at 1 Lancaster Terrace. Here the chapter lived and held meetings until 1917, when the house at the corner of Dean and Salisbury Streets was taken over.

**Faculty:** Dr. R. A. Beth, Dr. S. J. Plimpton, Prof. V. Siegfried, Prof. A. M. Tarbox, Prof. C. F. Meyer.

**Seniors:** P. H. Bergstrom, E. M. Fenner, H. F. Lundquist, P. M. Murphy, S. F. Perkins, W. R. Spofford, F. B. Swenson, E. F. Wiley.

**Juniors:** C. H. Amidon, Jr., E. C. Dench, M. J. Driscoll, G. C. Graham, Jr., W. L. Hardy, A. J. Herd, Jr., C. A. Keyser, W. O. Nygaard, D. A. Officer, B. B. Waterman, Jr., H. E. White.

**Sophomores:** J. E. Bentley, D. S. Chatfield, K. W. Fowler, R. C. Hannigan, Jr., J. D. Lowd, R. G. Newton, H. Paulsen, Jr., M. A. Rhodes, Jr., R. S. Roulston, F. B. Stevenson, G. F. Taylor.

## Tech Gridmen Close Season With Average of .500, The Highest in Past Six Years

**Wins Over R. L. Mass. State,  
And Rensselaer Boost  
Team's Average**

### INDIVIDUAL STARS

**Forkey's Passing and Kicking  
Again Instrumental in  
Team's Victories**

Tech's 1937 football season is finished and the time for basketball is close at hand. As we look back over this year's gridiron record we find it to be an admirable attainment. With three wins and three losses to their credit the team achieved a goal that has not been equalled here at Tech in many years.

At the start of the season Coach Bigler was confronted with the problem of replacing four varsity men. Townsley, Frawley, and Johnson graduated while Germain, quarterback and former captain, had transferred to another school. Fortunately, however, a large number of the 1936 squad returned and these combined with the Freshmen, who reported later, resulted in one of the finest of small college teams in New England.

Particularly noticeable this season was the development of individual stars soon after mid-season. Lambert, Atkinson, and Scott ended the season as stand-out players whereas at the beginning they had not been very effective. There is little doubt that Harry Kingsley would have been one of the brightest of this galaxy had it not been for the injury that hampered his playing no small amount. Taking his place along with these newcomers was the ever brilliant Ray Forkey. Just as last year his kicking and passing were superlative, while in backing up the line he was a bulwark of defense.

The first game was a heart-breaker. In the third quarter a blocked kick and subsequent recovery by the Coast Guard boys led to a touchdown for them. Tech had already scored in the second period by means of Kingsley's running and Forkey's passing. Then, with the score tied, Capt. Waldron of the Sailors booted over the winning point. A fourth period fumble ruined a possible scoring chance and the game ended with the score still at 7-6.

Homecoming marked the day of the team's initial win. It was a timely victory over Mass. State as a large crowd of rain-soaked alumni cheered the gridders on. Lambert, Scott, and Forkey played the starring roles in limiting the visitors to only one scoring threat. In the meantime the Engineers managed to cross the goal line twice and to score on a safety. All of this added up to the final score of 14-0.

Playing heads-up football the team went on to its second win. Rhode Island State was the victim and the score, 12-2. This game proved the merits of Don Atkinson, a Freshman. He showed up as a hard charging back who looks as though he will play a major role on next year's squad. In a true "Frank Merriwell" finish Pete

(Continued on Page 4, Col. 4)

**Come In and Have Your Ears  
Let Down**

**Boynton Barber**  
113 HIGHLAND STREET

**CARBERRY'S PUB**

5-7 School Street

*The Rendezvous of Who's Who*

## Rifle Team To Meet Brooklyn Tech in Opener

**Capt. Jack Boyd Looks to  
Successful Season as  
Veterans Return**

The Tech Varsity Rifle Team officially opens the 1937-38 season when the team opposes the sharpshooters of the Polytechnic Institute of Brooklyn. This will be a postal match, the Tech squad firing on Tuesday afternoon, Nov. 16, at our range. The Nucleus of the varsity team will be made up of Capt. Jack Boyd and Ex-Capt. Lucian Allen, both of whom stand high in intercollegiate riflery circles. Because of the greatly increased interest in this sport, there is considerable optimism as regards the outcome of the current season.

The third meeting of the Rifle Club was held Friday afternoon, Nov. 12, at 4:15 on the range. The greater part of the time was devoted to pistol and rifle practice, in preparation for the coming season. At the meeting, the club voted that there should be purchased a good range telescope, thus making our range equipment equal to the best. As regards the next meeting, which will be held at the range on Dec. 10, it was decided that the meeting be devoted to an off-hand handicap match, with several prizes as an incentive to better shooting. With an enthusiastic active membership, the club looks forward to an enjoyable and profitable season.

Don Houser, Mgr.

## Fuller Lecture Talk on The U. S. Constitution

(Continued from Page 1, Col. 5)  
operated from 1775 to 1789. It was the second body of statesmen that appointed George Washington Commander in Chief of the Army and also made provisions for a committee to draw up some suitable document for the central government. The Articles of Confederation was the result. The fault of this body, he pointed out, was their inability to enforce laws or to levy taxes for raising money.

Dean Coombs told of the Maryland-Virginia meeting with Washington to discuss smuggling in which James Madison moved to hold a September Convention of the states on the Delaware River and any others who wished to attend. Plans for a National convention for the purpose of drawing up a Federal Constitution were drawn up at this meeting. In this convention over which George Washington presided every detail was considered and discussed.

"The essential point of this convention," he said, "was the Anglo spirit of Compromise."

The document was completed by 1787 and sent to all the colonies for ratification by conventions instead of by state legislatures which were sure to kill it.

Before introducing Dean Coombs to the assembly last Friday morning, President Earle stated his views on the matter of Armistice Day and wars in general.

"We are willing to fight," he stated, "so that others might live. We do not prefer that way. We are a people who make peace. It is the Statesmen who call on us for war. Therefore, we should typify peace but at the same time be willing to pay the price to keep it."

"If at the Brussels Peace Conference now in progress we had an Army, a Navy and a Marine officer, it would result in peace in the Far East. We must fight for peace to have it."

## Tech Sailors Capture Fourth In Dinghy Meet

**Ashcroft, Vickery, Bentley,  
And Ladden Pilot Tech  
Craft in Races**

Worcester Tech for the second consecutive year placed in the annual Boston Dinghy Club Regatta, held by M. I. T. on the Charles River last Sunday, Nov. 7, 1937. The W. P. I. sailors were able to capture fourth place with a total of 33 points. Their nearest rival was Haverford with only 35 points.

This regatta is held annually with M. I. T. acting as host and furnishing the boats. This is the second year that W. P. I. has taken part in the races. The crews were skippered by Clarence Ashcroft and Rus Vickery, with John Bentley and Charles Ladden as their respective crews.

The afternoon races consisted of a consolation event which was won by Northeastern with W. P. I. placing sixth.

The main races were won by M. I. T. over Brown with 85 points to the Bear's 71. W. P. I. was unable to place in this event but it is hoped that more Tech men will become interested in this event so that W. P. I. may enter more boats next year and place higher. Also some men have expressed a wish that we could have races similar to these on Lake Quinsigamond. The boats could be built by Tech men and would cost less than one hundred dollars. The M. I. T. boats are all given by Alumni.

## Sophs Win in Interclass Soccer Game 2 to 0

(Continued from Page 1, Col. 3)  
the pay station, giving the Sophs a two point lead which was to be the margin of victory.

At half-time, both teams were replaced by fresh and comparatively dry contestants who resumed the hard-fought, muddy game with the freshmen holding the upper hand. Several times, a score seemed inevitable only to have goalie Burton save the day with a nice stop.

It was a keen struggle dominated by the stellar defense work of both teams as pass-work and coordination amongst the forward line was limited due to the conditions. The game served as a means of getting the Sophomores together and arousing their class spirit in a way which has not been seen around here for many a day. It is evident that examples of this enthusiasm will be shown in the remaining contests. Hence, as a warning to the Frosh I would say, "Don't count your chickens too soon."

The summary:  
TECH SOPHS—2 0—TECH FROSH  
Johanson of orf Whittaker  
Crosby ifr Paulson  
Brand cf Koontz  
Baker ifr Boszyk  
Goldenberg orf olf Lerer  
O'Gara lhb rhh Tyner  
Blaisdell chb chb Hobel  
Mayer rhb lhb Knight  
Fraser lfb rfb Smith  
Carnacelli rfb lfb Alphonse  
Burton g g Paige  
Goals made by: Brand, Mayer.

Substitutions—Tech Sophs: Goodchild for Johanson, Glencross for Crosby, Hannigan for Baker, Higgs for O'Gara, Tech Frosh: Parks for Tyner.

Phone 3-4298 M. Farrar, Prop.  
**PREMIER TAILOR**  
*Expert Cleaners and Dyers*  
111 Highland Worcester

FLOWERS FOR ALL OCCASIONS  
**Rainbow Gardens**  
*Flowers of Quality*  
Delivery Flowers Telegraphed  
31 Holden St. Dial 4-6486

## Tech Booters Complete Fine Season, Winning Four, Losing Two; Close With .666 Average

**New Prizes are  
Announced By  
Pres. Earle**

**Nikoloff and Abadjaff Make  
Awards For Progressive  
Improvement**

At the Fuller Assembly on last Friday, President Earle made a preliminary announcement of the newest prizes being offered to students of the Institute. The prizes, to be presented at graduation along with the six Salisbury prizes for the "most meritorious" students, are called the "Intelligent Effort Prizes."

These three prizes of \$75.00 each are donated by two Worcester Tech graduates, both of Bulgarian extraction: two by Subbo Nikoloff, '37, vice president of Leland-Gifford Co., and the other one by Ivan V. Abadjeff of the class of 1928. Mr. Nikoloff and Mr. Abadjeff, assisted by Dean Jerome Howe, drew up a statement of purpose and rules for the award of these prizes.

Object: "Many students because of facing unusually adverse conditions during their earlier years at college, cannot attain the high scholastic average that otherwise their ability would permit. Their effort during the course will give results, however, that will be manifest by progressive improvement in studies. This type of student will do well after graduation, and so upon graduation should receive recognition from the Faculty, and to such an end these 'intelligent effort' prizes are donated by two graduates of the college. Also, so that students may continually keep in mind that a sound body must accompany a sound mind, a requirement of physical health is incorporated with that of progressive improvement in studies."

Rules: "Eligibility is limited to graduating students who are citizens of the United States, are free from appreciable physical defects, are ineligible for any high scholastic prize, and are conspicuous for a progressive improvement in their studies."

"Scholastic standing during the first two years is not taken into consideration, except as it indicates the extent of subsequent improvement. Progressive improvement during the subsequent years is a requisite

"For the purpose of determining choice among those eligible for the several prizes, the following policy is followed:

"To the average of all grades beyond the Sophomore year shall be added a grade indicative of physical health based on a scale which in perfect health would rate as 100 and fair health as 60. This combined grade (scholastic average + grading on health) shall be used as a basis for the awards.

"The physical examination (including dental and ocular examinations) shall be made by a physician selected by

Through the kindness of the French Government Tourist Bureau, Madame Caro-Delvaile of Paris will visit the Worcester Polytechnic Institute on Tuesday, November 30th. She will deliver a lecture in English on the Basque country. Stereopticon slides will be shown. The address will take place in the Lecture Hall of the Electrical Engineering Building, at seven-thirty P. M. All students of Tech and their friends are cordially invited to be present.  
Leland L. Atwood.

**McEwan Stars Throughout  
Season Scoring 12 Goals  
Of 21 During Year**

### NEW FIELD USED

**Defensive Play of Backfield  
Is Consistently Outstanding;  
Future Looks Good**

Despite the loss of the first and last games of the season with Brown and Clark, the Tech booters managed to take four consecutive victories over Trinity, Connecticut State, Fitchburg Teachers and Tufts to complete the season with a .666 average.

Throughout the series of six encounters, the Tech squad functioned like a well-greased machine and completely dominated their opponents in team work. The local eleven not only possessed a strong defense unit but an aggressive attack that never failed to penetrate far into their opponents' territory.

The Higgimen outkicked their opponents' total of six goals by placing twenty-one shots between the posts. To Dave McEwan, star center-forward, goes the credit for obtaining twelve of these goals. Captain John Mudgett claims three while Joseph Whittaker and Tom Wingardner made two apiece. John Hollick and Byron Wilson each placed one.

Dave McEwan was not only high scorer but probably the most outstanding man on the team. Despite the three men that were usually assigned to keep him bottled up, Dave did his dribbling with such speed and accuracy that often times he caught the goalie napping. Brilliant playing characterized his game. He never lost an opportunity to penetrate his opponents' territory with a smashing drive that usually ended between the goal posts.

Of no less importance were the other Tech booters with whose support McEwan made his successful attacks on the goalies. They were Captain Mudgett, Bill Arter, Tom Wingardner, Joe Whittaker and Dick Donovan. These men made up an offensive power of clever passing that seldom failed to keep the ball on the other side of center.

One of the outstanding features of the season was the defensive playing of the six backfielders. This group of men consisting of Bill Kay, Walt Abel, Johnny Hollick, Ernie Ljunggren, Ken Fraser, Gunner Pearson and Don Smith formed an iron bulwark before their goal. Their defense methods were not rivaled in any game of the season.

All hopes for an undefeated season were crushed in the first game by a superior Brown aggregation on the Providence field. Two of the three tallies made by Brown were attributed to luck for they were both rebounds. The second half found the locals playing an improved brand of soccer with the result that McEwan saved the team from total defeat by booting their lone goal.

The following week the Tech booters invaded Trinity on the latter's home field. From the very beginning the locals outmatched the Trinity squad. Dave McEwan ran rings around his opponents to score four of the five  
(Continued on Page 4, Col. 2)

the donors, or, in the absence of such selection, by the college physician.  
"Selection and award of these prizes shall be made by the Faculty Committee on Students and Scholarships."

**Compliments  
Farnsworth's Texaco  
Service Station**  
Cor. Highland and Goulding Sts.

**Sophomore Gridsters  
Take Over Freshmen 6-0**

(Continued from Page 1, Col. 1)

but it was partially blocked and carried offside. Forkey's fake-kick pass was then completed to McDonald. Forkey's next kick carried over the goal line and was put in play on the 20. Scott fumbled but recovered and on the next play kicked to the 40 yd. line. Soph passes fail and they again kick to Atkinson. A pass failed and then McLeod spilled Scott for a 10 yd. loss. Scott then kicked to the Soph's 30 yd. line. Passes failed to click and Forkey kicked to the Frosh 40 as the period ended. Score at half 6-0.

**Third Period**

The Sophomores chose to receive and Forkey returned to the 30 yd. line. Passes to McDonald and Herron each netted 10 yds. and then the attack stalled. Forkey kicked over the goal line. Scott's return kick was carried back to the 40. Forkey then tried a short pass over the center but it was intercepted by Wilson. On the next play Scott fumbled but recovered and advanced 8 yards. The attack petered out and the Sophs took the ball on downs. Again Sophomore passes fail to click and Forkey attempted a kick which was blocked by Andrews. A pass Scott to Aldrich gained 15 yards. Scott then swam to the 20 yd. line. Again the attack stalled and the Sophomores took the ball. Forkey kicked to Scott on the 30 and was downed on the Frosh 35 yd. line.

Again the Sophomore line held and they took the ball on downs. McDonald slushed his way off tackle for 6 yds. as the period ends. Score still 6-0 in favor of '40.

**Fourth Period**

Two passes by Forkey failed and he kicked to Atkinson. A pass by Sullivan was intercepted by Forkey on the 30 and carried to the 8 yd. line before being dragged to the mud. A line plunge by McDonald lost two yards. Two passes fail. The sophomores were then handed a 15 yd. penalty for holding. Freshmen's ball and passes incomplete. A kick to Forkey who was buried in a puddle on the 50. (Pete Bigler's pants are drooping now.) Forkey kicked after no gain to Sullivan who dove into a mud-puddle. Frosh then try a lateral to Atkinson who was smeared and fumbled. Fritch recovered for '40. Two line plays churn up the water but gain nothing. Then a pass gained ten yards and left the ball on the 15 yd. line. Two more passes into the end zone fail and a field goal attempted by Forkey also failed. Frosh take ball on downs and carried back to 35 yd. line as the game ended. Final score, Sophs 6-Frosh 0.

The line-up:

SOPHOMORE	FRESHMAN
McLeod ..... re	Bellos
Hayes ..... rt	Watson
Freeman ..... rg	Phelps
Peters ..... c	Carrol
Bodreau ..... lg	Swanson
Hotchkiss ..... lt	Osipowich
Ramaker ..... le	Curran
Lambert ..... qb	Aldrich
Harron ..... rhb	Hazard
Fritch ..... lhb	Atkinson
Forkey ..... fb	Scott

**Tech Booters Complete  
Successful Season**

(Continued from Page 3, Col. 5)

goals. Joseph Whittaker, a freshman, playing his first game, booted the final tally. Trinity remained scoreless throughout the game.

The Red and Gray broke in their new soccer field with a 4-0 victory over Connecticut State in the first home game of the season. As in previous encounters, McEwan led the attacks by driving three shots into the net. Near the end of the third quarter Johnny Hollick, seeing the ball roll out of a scrimmage, placed it between the posts. As was becoming a custom, the defen-

sive playing of fullbacks Ljunggren and Fraser and goalie Pearson kept the Staters scoreless.

In their final game with Clark the Red and Gray team did not repeat their previous four victories but lost it by a score of 2-1. Dave McEwan was only able to break down their defense once to score the first goal. The show of strength, however, was short-lived for the South-enders drove two shots through Tech's defense. The game was largely defense for Tech.

The team not only had a reputable season this year but will probably soar to new heights next year when practically the whole team will return.

**Tech Gridmen Close  
.500 Average Season**

(Continued from Page 3, Col. 1)

Stone saved the day by intercepting a pass on his own five yard line and sprinting 95 yards to score the final touchdown.

The season's last game found the Tech team taking a 14-0 victory over their traditional rivals, Rensselaer.

**TYPEWRITERS  
All Makes, Bought, Sold, Rented**

**NARCUS BROTHERS  
STATIONERS  
24-30 Pleasant Street**

After successfully staving off the Trojans in their early scoring threats Tech again found passing the shortest way to a touchdown. And so it was Forkey who did the flinging with Elliott and Raslavsky on the receiving end. Later in the game Lambert went over from the one yard line for the other score. R. P. I. was unable to approach Worcester's goal in the remaining time and so the score remained constant.

**WHITE**

**CLEANSERS AND DYERS, Inc.  
113 Highland St. Dial 2-1966**



*It's a big day*

with a smoker  
when he finds out  
about Chesterfields

Smokers like that  
Chesterfield TASTE  
and sure as shootin'  
they're MILDER

Open the  
season with  
more pleasure

**Chesterfield**

**Imported  
Norwegian Skis**

Slalom, Cross Country,  
Jumping

**C. J. LINDEGREN**  
30 Institute Road  
3-9411

**WANTED**

Sophomore or Junior to take orders among fellow students for Mrs. Wood's Chocolate Cream Fudge and Chocolate or Vanilla Cream Carmels.  
Write: **MRS. H. T. WOOD**  
98 Cedar St. Clinton, Mass.