



TECH NEWS



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Volume XL

Worcester Polytechnic Institute, Worcester, Mass., Thursday, November 14, 1946

Number 8

Tech's Service Revealed As War Secrecy Veil Is Removed Work on Shoes Done For American and British Military

Chemistry Dept. Combines With Washburn Shops To Develop New Machines

Now that the war has ended and the veil of secrecy has lifted, it is possible to divulge the part which the school and the chemistry department has done as a contribution to the war effort. The work was done for the Quartermaster General's Office under the supervision of the National Research Council. The problem was one which dealt with shoes for both the army and navy. The leather supply was exceedingly short during the war and the object of the research was to find a substitute for the leather for use in the midsoles and outsoles of the shoes. The British were also working and cooperating with us on this problem.

The staff which was responsible for all this was made up of from three to five men. Robert Lotz, a graduate of W. P. I., and an outstanding football and basketball player while in school, was in charge of the laboratory work. Robert Fay, also a graduate, helped on this problem too, along with James Philips and others. This group worked for over two years on the project and the Institute benefited financially from this. Over \$50,000 was spent on this work alone.

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Newman Club Invites Frosh to Next Meeting

The Newman Club will hold an organization meeting on Friday, November 15, at 7:00 P.M. in the Janet Earle room. The Club is a Catholic group that has on its program of activities: interesting talks, dances and parties. Joint activities are held with Newman Clubs in other colleges. During the past year the Worcester Tech Newman Club met with the Newman Club in Boston to hold a party and dance. In the past baseball season the Club spent an afternoon at the baseball game in Fenway Park.

At the meeting Father Brabson, our spiritual advisor, will speak on Communism. Later arrangements will be made to have a dance at State Teachers College. Dances at the Carrol Club also will be discussed. Plans will be made for a Communion Breakfast to be held some Sunday in the near future. All Catholics are invited to attend this meeting. Refreshments will be served after the meeting.

Frosh Learn Tech Traditions At SCA Rally

Sports, Social, Musical, And Engineering Activities Are Explained to New Men

The Student Christian Association conducted its annual school rally on November 1st in Alden and also sponsored two meetings of the freshman class during their orientation program here at the Institute.

At the first meeting, held on Monday evening, October 28th, in Alden and led by Bob Kessili, the freshmen were given their desk blotter and Tech Handbook, both published by the S. C. A. The formal program consisted of learning the Tech songs under the direction of Mr. Clifford Green and an interesting, educational talk by Father Fred Gallagher of the Holy Cross College faculty.

Tuesday evening's program, with Paul O'Donnell as chairman, consisted of talks by the various leaders of the campus clubs concerning their club's plans for the coming school year. Speakers from the Newman, Radio, Camera, Cosmopolitan, Rifle, Debating, Nautical, and the campus engineering groups invited the interested freshmen to attend their organization's meetings. Professors Gay and Scheffley told about fraternities here on the campus and fraternities in general. Copies of the rushing rules were given to all the freshmen and they were explained by Professor Gay.

Short talks by President Cluverius, Dean Howe, and Dean Roys highlighted the all student get together on Friday evening. Paul O'Donnell, chairman of the evening's program, introduced Professor Carpenter who in turn introduced representatives of the athletic teams to the gathering. Cheers, led by head cheerleader Carol Burtner, were practised after each speaker. Mr. Green led the group in the singing of the school songs and also introduced Mr. Lynch, the director of the band, and Dan Lewis, the Glee Club president. These men spoke for their organizations as did Ed Supple, the Tech News editor, Ed George, the Senior class president, who spoke for the Peddler, and Les Davis, the President of the Masque. At the end of the formal meeting, the upper classmen had their first opportunity to get acquainted with the freshmen and discuss school life.

Although the Tech Handbook and
(Continued on Page 3, Col. 5)

Largest Freshman Class Enters Tech

Freshmen From Seven Foreign Countries Find Tech An Excellent College

This year Tech welcomed the largest Freshman class in the history of the Institute. This class is one of the most diversified that has ever been here. It includes about one hundred and ten ex-G. I.'s and the rest are young men just out of High and Prep school. There are men from eleven states and seven foreign countries. The G. I.'s represent Army, Navy, Marines, and Merchant Marine. The Freshmen range from sixteen to twenty-eight years of age. They represent twenty-six different nationalities and seven religions. Physically they are almost up to the normal of the school.

This class is different from the war year classes because most of the members of these classes had the draft hanging over their heads. Also the large number of ex-G. I.'s in this class gives it a more mature outlook on college. The young men just out of high school are benefiting by this because the outlook of the older men is a quieting influence on them. At present the ex-service men say the high school boys have the edge on them, but as soon as they get in the
(Continued on Page 2, Col. 4)

TKP Celebrates Hallowe'en

The first event of this term's social season at Theta Kappa Phi was a Hallowe'en party given by Brother and Mrs. John V. Quinn, who were both sponsors and chaperones of the affair. Since the dance was held on Thursday eve after the first day of classes, it was also the occasion for many more "hello-agains" as there are a large number of brothers resuming their studies this term for the first time since the war.

Brother Quinn, who was graduated from W. P. I. in 1941, and his wife, who works in the Tech alumni office, made the party, which was their brain-child, an overwhelming success for the largest number of couples that have attended a house party in several terms.

Last Monday a large group of brothers cut a few hours off their Founder's Day layoff to attend another house dance. At this Armistice Day Punch Party the fraternity was host to the Carroll Club of Worcester. The evening included dancing, refreshments, and games with prizes. Arrangements were completed by the house social committee under Frank Wotton, '49, social chairman, and the Quinns were the chaperones for this party also.

Increased Enrollment Makes Campus Changes Necessary

Special Holiday To Honor Tech Founders

Burial Places of John Boynton and Others Decorated by Delegation

BY ROGER PERRY

Seventy-eight years ago tomorrow, thirty-two young men began classes at what was later to be known as Worcester Polytechnic Institute. In commemoration of that occasion, Founder's Day is celebrated every year on November 11.

President Wat Tyler Cluverius will head a delegation in following a Tech tradition of laying wreaths on the graves of the Institute fathers. Assisting him will be Prof. Paul R. Swan, assistant dean of students representing the faculty; Daniel G. Lewis, '47, President of the Tech Council; and Edward T. George, '47, of Pittsfield, president of the Senior class, representing the student body.

Those founders whose memories are to be honored are Ichabod Washburn, founder of Washburn and Moen Iron Works, now part of American Steel and Wire Co.; Rev. Seth Sweetser, minister of Central Congregational Church at the time of the Institute's founding; David Whitcomb, Worcester hardware merchant; and Stephen Salisbury 2nd, leading citizen of Worcester at the time. These men are all buried in Rural Cemetery.

John Boynton, the man whose idea actually began the college, lies buried in Mason, N. H., and in his honor, the selectmen of that town, acting in behalf of the Institute, will lay a wreath at the John Boynton monument, erected there by students of Tech.

The late Prof. Herbert F. Taylor in his book, "Seventy Years of the Worcester Polytechnic Institute," covered quite thoroughly the story of the Institute from the conception of the idea through to its present position as one of the nation's leading engineering schools.

(Continued on Page 3, Col. 1)

W.P.I. GLEE CLUB

Assisted by the

Young Women's Glee Club
Will Present a Variety Concert on

Saturday Evening, Nov. 23

In Alden Auditorium

SPECIALTY NUMBERS
BARBER SHOP MUSICAL
COMEDY SONGS

Stratton Hall Completely Remodeled; Electrical Dept. to Expand

Surmising a post war record enrollment the Institute made long range plans shortly after the war's end which are now attaining fulfillment. Stratton Hall, home of V-12 students during the war, has been reconverted for use by the Math and English departments, and the college bookstore. The building was completely remodelled internally and modern fixtures were used throughout in renovating the building.

The rooms in Boynton Hall vacated by the English and Math departments will be used for Economics, History and the languages.

The Electrical Engineering building was left with three vacant rooms plus some office space when it was decided to move the Math department to Stratton Hall. The bulk of the available space will be allocated for facilities to be used for studies in the field of electronics. Work of this nature was carried out in temporary facilities during the war years but, as the field of Electronics has expanded considerably during the war, more permanent facilities had to be made available to the Electrical Engineering department for expansion in this direction. One room is being used temporarily for senior instruction in electronics and other rooms will be used for radio work, study of high frequencies, a shielded room for radio receiver measuring and for other work requiring protection from external radiation. Professor Newell's office will be located on the first floor.

The additional equipment required for expansion was secured in part during the war and the rest has been secured recently from surplus equipment. The work will soon be completed and the equipment set up, giving Tech complete facilities for work in electronics.

Student Wives Club Hold Hallowe'en Party

To most of us, Thursday, October thirty-first was merely the appointed day for continuing the scabbing here on our hill-top haven; but an old-fashioned Hallowe'en spirit pervaded the ordinarily staid Janet Earle Room that evening as the Student Wives conducted one of their most successful parties, complete with cider and doughnuts, apple-bobbing, and a tooth-pick, Life-saver race.

The twenty young married couples certainly got a kick out of the hokey-pokey dance, and a few of the boys really mopped-up on the apple-bob-

(Continued on Page 2, Col. 3)

TECH NEWS

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Thought for the Future

Freshmen, you are now full-fledged members of the Tech student body and worthy of the title: Tech Men. By now you have become thoroughly oriented to college life as it exists here at Tech. You have had by now your mixers, pep rallies, general introduction to the faculty, students, and student organizations, and, lest we forget, two weeks of classes.

It may truly be said that your class is, with regard to individual qualifications, probably the most unusual class of Freshmen that has ever entered Tech before and together with this fact, it is one of the largest classes ever seen here on the Hill.

This is an interesting observation, to be sure, but what does it mean with regard to Tech in general and to you, as an individual, in particular? Allow us, with your permission, to expand this subject logically and then to apply our conclusions to the betterment of Tech and the enjoyment of its student body.

You men are starting in at Tech at the bottom of the ladder, as Freshmen! You have four years, during which time you may climb the rungs of learning. A great many of you, while in the service, worked your way upward to positions of responsibility and respect. There, also, you started at the bottom of the ladder and with a great deal of effort and thought, you rose through the ranks. Here the situation is similar in many respects, and you will rise through the classes as each year passes. But what are you striving for? What goal are you climbing toward?

The obvious answer to this question is, "Why, I want a college degree." However, is this the *only* answer? Is it not possible that college atmosphere may provide many other opportunities for advancement other than academic pursuits? The answer to this question is an emphatic "yes". College offers much more to the student than simply a sheep-skin to evidence successful completion of four years.

A college campus may be thought of as a little "city", set apart from the local community. In this "city", the student spends all of his hours, six days a week, for four years. This "city" has numerous organizations which help it to function smoothly and intelligently. These organizations do not just *happen*; rather, they are present because of active *student* participation and thought. Without these extra-curricular activities college would be nothing but a dull task; with them, college is an alert and ever-changing society.

You, as students, must realize the importance of these organizations to the college in general. Do you realize the importance of them to each one of *you*?

As an individual, you may gain innumerable benefits from participation in campus affairs. In all of them you will find an opportunity for self-advancement and self-expression and the experience you will gain in such pursuits will be invaluable in the process of preparing you for your life's work.

Leaving you with the above thoughts for the present, we would like, in passing, to wish all of you great success in your studies and lasting enjoyment in your other activities here at your new home—WORCESTER TECH!

Fraternity News Bits

A.T.O.

The Navy is well represented in the A. T. O. boys who came back to finish their interrupted schooling. They were all in the Navy and represent many different departments of navy life.

Richard Bartlett was a Radio Technician at Operation Crossroads, Roland Moltenbrey was an Instructor in the Naval Air Corps, and Bob Ferguson was also in that branch. A man small in stature but large in ideas is Bob Ballard, who saw duty in the Subs.

Student Wives Club

(Continued from Page 1, Col. 5) bing MC'd by Bob Green. However, the two leaky tubs borrowed for the apple-bobbing completely failed to dampen the group's enthusiasm.

During the evening music for more sophisticated dancing was supplied through the well-appreciated efforts of an ensemble composed of Al and June Pearson, Niel Cox, and Bob Green, relieved occasionally by a record-player hook-up. When all was said and done, everyone departed at the witching hour in radiant contentment.

The members of the social committee whose excellent preparations contributed a great deal to the success of the party were: Margery Bjork, Ethel Allen, Lilly White, Pat Kilkoyne, Muriel Kerr, Lucille Olson, Helen Fanneuf, and Mrs. James Hierle.

The Student Wives Club, through its president, Helen Fanneuf, extends a cordial invitation to all wives of recent arrivals on campus to attend the next regular meeting in the Janet Earle Room on November 29th. Among other activities planned for the near future is a Christmas supper, scheduled to include carolling and a Santa Claus, complete with grab-bag.

Veteran Students Eligible for Contest Run by "Salute"

Cash Prizes Offered for Best Letters Concerning College GI's Problems

Without doubt all veterans have, at one time or another, read *Yank* or *Stars and Stripes* and enjoyed reading about the problems being encountered by G. I.'s the world over. It was a magazine devoted to making the problems of the serviceman known. Now the same editors and writers that brought you *Yank* and *Stars and Stripes* are publishing a veteran's magazine called *Salute*.

Salute is sponsoring a "letter contest" on the subject: Problems of the College Veteran. The contest is open to all veterans attending accredited colleges and universities under the G. I. Bill of Rights. This contest presents the opportunity for

every veteran to "sound off" on the current educational set-up. From these letters may arise a great many good ideas and possibly some practical solutions to many of the problems resulting from the great influx of veterans into the nation's colleges and universities. This is a chance to direct your "beefs" to an organization that may be able to do something about them, or at least publish the facts so that they may be read and known.

The cash prizes amount to \$750 for the ten most outstanding letters submitted. The first prize is \$250, second prize \$100, and eight additional prizes of \$50 each.

The length of the letter should not exceed 250 words. All letters are to be addressed to the Contest Editor, *Salute*, 19 Park Place, New York 7, N. Y. The contest closes January 10, 1947; letters may not be post-marked later than midnight of that date.

Largest Freshman Class

(Continued from Page 1, Col. 3)

swing of things they feel the veterans will outstrip the younger fellows.

The out of state and especially the foreign enrollment is large in this class. Turkey leads the foreign field with four members in this class, China has three and India has two. The foreign students think Tech is hard but they believe that they will be able to benefit their country after graduating from Tech. They have no trouble with English as most of them learned it in a secondary school. They can't get over the fact that Americans have everything done for them even to having their bread sliced before they buy it.

Ex Army and Navy men form the majority of Veterans with the Marines and Merchant Marine also represented. A number of these men were at Tech for a short stay before going into the service. They say the school hasn't changed much since they were here before. Most of the men have realized after being in the service that a man needs a college education these days. They hope the "civilians" will learn service

slang so they can get to understand each other.

The age difference of the class is the most varied there has ever been at the Institute. The youngest student is Subbiah Muthiah from Ceylon who is sixteen years old. He doesn't feel his youth will hold him back because in his country the average age of high school students is fifteen years old, while in the United States it is eighteen years. The oldest student is Alexander Cyzaniewicz from Gardner who is twenty-eight years old.

Doctor Carpenter said excluding the ex-G. I.'s this class is almost on par physically with a normal class at Tech. Comparing it to the class of '45, which was the last normal class, these boys are the same height but are eight pounds lighter than that class. They are a little weaker as their total strength is about seventy points below the last normal class. Doctor Carpenter says this is due to the fact that the class is a little younger than a normal class and he thinks by next year he will have a normal class.

Winning pause

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Automobile Parking Rules

In connection with the AUTOMOBILE PARKING RULES, now posted, students' automobiles may park also on south side of the road to Alumni Field, in single line, and on Commando Course, which is entered from middle gate on Institute Road.

The following parking rules are in effect:

From 7:00 a.m. to 6:00 p.m. weekdays and on Saturday until noon,

1. FACULTY will park conveniently near their offices but are not to park between Stratton Hall and the Power House or Forge Shop; between the Washburn Shops and Power House; or between the Washburn Shops and Boynton Hall.

2. STUDENTS will park in the West Street Parking Area and in parking spaces between Sanford Riley Hall and the Gymnasium, or in rear of Higgins Laboratories.

3. EMPLOYEES OF WASHBURN SHOPS AND FOUNDRY will park in south portion of West Street Parking Area. They will not park on East Campus.

4. STUDENTS AND EMPLOYEES will not park on West Street.

5. In order to facilitate identification of cars of faculty and civil employees, a small "W" obtained at the Bursar's Office will be carried in the rear window.

Tech Honors Founders

(Continued from Page 1, Col. 4)

In brief, the history of the Institute began at the close of the Civil War when John Boynton, a retired tin peddler from New Hampshire, decided to use his life's savings of \$100,000 to found a school which was to provide for deserving young students an education which he had never had. He brought his money and his idea to his cousin, David Whitcomb, who conducted a hardware business in Worcester. Whitcomb and Boynton had been partners in the manufacturing and peddling of tinware until Boynton sold out to Whitcomb in 1846. Whitcomb convinced his cousin that the school should be built in Worcester, where men of wealth and influence might be induced to contribute to its physical development.

John Boynton left the details to his cousin for he was at that time seventy-three years old and in failing health. Whitcomb first called on Rev. Seth Sweetser, minister of the Calvinist (now known as Central Congregational) church for help in furthering the idea. Through Rev. Sweetser, David Whitcomb and Ichabod Washburn began to work together on the idea of the school. For several years previously, Washburn had had the desire to found a school for the promotion of training in the mechanical arts. He had become acquainted with the need for such training at his iron works.

The organization meeting was held March 27, 1865 in the offices of George Frisbie Hoar, later to become one of the great political figures of his day. Those present were Worcester's leading citizens of the day, men of prestige and means. On May 9 of that year, the State of Massachusetts granted a Charter to Rev. Sweetser and Mr. Hoar as incorporators of the Institute.

Early progress was not entirely smooth, however. There was the usual trouble of raising funds for the new undertaking. Boynton's gift provided for instruction of the students with the understanding that suitable buildings and lands be donated by others. Stephen Salisbury offered the site of the school at its present location and later contributed gifts of land and money in excess of Boynton's original gift. At first it

was not entirely clear what sort of instruction should be given. Boynton favored a theoretical training while Washburn felt strongly that practical training was of utmost importance.

In 1865 there were no similar schools from which to draw ideas. One school however did prove the source of many helpful suggestions. That was Rensselaer Polytechnic Institute, founded in 1824, although at that time, Rensselaer gave degrees only in Civil Engineering and so could not be used as a model by the Worcester founders who planned to give instruction in practical mechanics and chemistry as well as Civil Engineering. At the same time, many other present-day colleges were being born. In Boston, the newly formed Massachusetts Institute of Technology was holding classes in rented rooms in Boston.

A compromise was reached concerning the instruction to be given, for Ichabod Washburn assumed full responsibility and expense of building a machine shop for the training of students. After the necessary funds had been raised, the construction of the main building was begun. Before it was completed, John Boynton died suddenly of pneumonia on March 25, 1867, and in his honor the building was called Boynton Hall.

The first class of 32 students entered November 11, 1868 for a three year course at the Worcester County Free Institute of Industrial Science. In accordance with the wishes of John Boynton, tuition was to be free for all residents of Worcester County. In 1889, however, it became apparent that of necessity, Worcester county students would have to pay tuition to prevent wiping out the financial foundation of the school.

The name of the new school, besides being unwieldy, no longer applied so on July 1, 1886, the name was officially changed to its present one of Worcester Polytechnic Institute.

As the years passed, progress in industry created a need for more highly skilled engineers and gradually the theoretical subjects at the Institute became a more significant part of the curriculum.

Perhaps if the founders were to

This seems like a good time to do a little reminiscing about the good old days (?) at Tech just about two years ago. It seems hard to believe that the school could have changed so much in two years as a lot of you from the former classes of '48, '49a, and '49b who are returning this term will agree.

In some ways, it seems like just yesterday that I was sitting (as a member of the class of '49b) in the beautiful and then awesome assembly hall in Alden Auditorium listening to a welcoming speech by President Cluverius. Forty strong, we hardly filled the first two rows of the hall.

Rushing was on the quota system which allotted an equal number of men to each fraternity house. Each fraternity was allowed three men from our class. The next day was spent in rushing—most of us visiting six or seven houses during the day. Final selection was made the following evening, and we moved into our respective fraternities that same night.

The V-5 unit greatly outnumbered we civilians, and just about all of suddenly come to life today, they wouldn't recognize the fruition of their dreams. Without a doubt, though, they would heartily endorse the changes that have made the Worcester County Free Institute of Industrial Science into one of the outstanding engineering colleges of America.

P. I. PATER

the activities on the hill were dominated by the Navy. The fraternities were struggling along on five to fifteen in each house. We had practically individualized instruction in Chemistry, physics, laboratory periods. My Spanish four class numbered three men, and most of the other classes weren't much larger.

Veterans? In March of '45 there were less than twenty in the entire school; most of them men who were out on medical discharges.

Math classes were held in the E. E. building, all physics classes in Salisbury, and the book store was located in the basement of the M. E. building. The foundry was closed down for about a year, and consequently, '49b didn't receive any instruction in sand pounding.

The rope pull, scheduled for the fall of '45 had to be called off—there just weren't enough Sophomores to lift the rope. At present, the Sophomore class is the largest in the history of the school. In addition, the first sign of the return to peacetime normalcy appeared with the enrollment of over one hundred men in the Freshman class which is now the present Junior class.

Yes, there have been a lot of changes within the last two years. However, Tech has weathered the worst of the storm, and the future looks bright. (At least, financially.) So, welcome back, to you who have returned to finish up, and to you Freshmen who are initiating Tech in its return to a peacetime schedule.

Correction

In the latest copy of TECH NEWS appeared a statement based on information to the effect that no prize money is available for the General Excellence competition.

President Cluverius has corrected this statement with the information that such money is, and has been available. The amount of the prizes will be announced when the results for both terms are determined.

SCA Rally

(Continued from Page 1, Col. 2)
desk blotter were given to the upperclassmen at Friday's rally, any student who failed to obtain a Tech Handbook may get one in Professor Swan's office in Boynton, while the limited supply lasts.

Tech's Service Revealed

(Continued from Page 1, Col. 1)
The procedure was to contact all the possible manufacturers of shoes for the government and have them make products which they thought would fill the bill and then these products were all tested here at Tech. On this particular part of the job, approximately 200 products were tested. When one was found which came closest to the expectations of the staff, it was sent back to the manufacturers to be improved.

Also, here at school, a machine was designed to test the flexure of the soles under pressure and also their resistance to abrasion. The machine was built at the Washburn Shops and was capable of standing a temperature range from -40° F. to 120° F. The U. S. Bureau of Standards and the Goodrich people each bought one of these machines for testing.

By much research and analysis of failures, it was found that one of the chief failures was that the outsole was not properly stuck to the rest of the shoe.

The group developed an adhesive material which was strong enough to stick the outsole tightly. Still another problem was one of trying to increase the life of the insole. Oil treatment was one of the answers to this problem and the Institute also developed a new method of forming the insoles and an adhesive was developed to stick these on. The adhesive was put on and then a stream of hot air was used to melt the adhesive just ahead of the machine. The Institute owns the patent on this development.

This research program was under the direction of Dr. Wilson, head of the Chemistry Department, and other school authorities. The achievement of their goal in this enterprise was just one of the many accomplishments which can be attributed to the "know how" and the ability to get things done which has been multiplied many times all over the country by graduates of our school.

Notice

The first meeting of the W. P. I. Faculty Women's Club will be held on November 20th at three o'clock in the Janet Earle Room. Dr. T. Charles Lee, pianist, and Mr. William Mitchell, tenor, will present musical selections. The wives of the veteran students are invited to be present as special guests.

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Fifty Years Ago, Worcester Tech
Beat Holy Cross in Football,
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SPORTS

Can We Do It Again?

November 14, 1946

TECH NEWS

Page Four

SPORT SIDELIGHTS

By LES FLOOD

After the close of another decidedly unsuccessful football season, popular opinion strongly implies that there is room for improvement. The remark, "Well, we only lost two this year," does not make the situation less embarrassing. The students put the blame on the Athletic Department, which may or may not be passing the buck, but one thing is certain: something is wrong somewhere. Some members of our Alumni have decided to do something about the situation. They held a meeting and as a result have written a letter to the Alumni Council asking them to encourage the Board of Trustees or Directors to take some action to improve the Athletic Department in general. The action taken will undoubtedly be limited to that of financial aid.

During the recent meeting held by the Student Christian Association, the captains of the various sports did their utmost to encourage the new men to get interested in all school athletics. The faculty members, in between jokes about flunking out the students, not only urged the new men to get into some of the extra-curricular activities offered on the hill, but also made it quite clear that they are behind the student body in all athletics. I sincerely hope that the combined efforts of the upper-classmen and the faculty yield the desired results, and that the opinion, held by a few of the veterans last term, that they are too old to participate in school activities, shall not be found this term. The attitude of the new men will determine whether we produce winning or losing teams. If we want to build up or even maintain the support given to us by the faculty and alumni, the student body must display enthusiasm.

During an assembly at the end of last term, Al Breed, speaking on behalf of the recent graduates, announced that they had accumulated a considerable sum of money, which they wanted to use to buy a public address system that could be used at all the sports events. They sadly found out, however, that the sum in their possession and the price of the system did not happily balance. As a result, they informed us that they were going to put the well known touch on the present senior class. To my knowledge, nothing has been done since (at least no one has

hit me, yet), and I would like to know why. I am all in favor of such a project, for this system would add to the comforts of the observers in as much as it would clarify the action.

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Relays Highlight Intramural Sports For Winter Term

Tech's Interfraternity Sports program will get underway December 20 with the start of the Intramural Relays. The competition for the athletic trophy has long been one of the high points of Tech's sports program, and this year's relay competition should produce its share of thrills. Last year, Theta Kap's team won the relay title only after winning an extra tie-breaking race with Theta Chi. This season will see an entirely new group of runners competing for most of the houses and it is impossible to predict the winner.

The races, which are to be held in the Alumni Gym, will start at 5:00

P.M. Any fraternity member who has not been awarded a track "W" is eligible to compete, providing he reports to the Gym for six training checks previous to the first race.

The relay season will extend until December 20. After the Christmas holidays, intramural bowling will complete the term's activities. During the second term basketball, swimming, track and softball will round out the fraternities' rivalry. Sig Ep, which won the tennis matches held during the summer, is now leading in the fight for the athletic trophy which is held at present by T.K.P.

L.C.A.

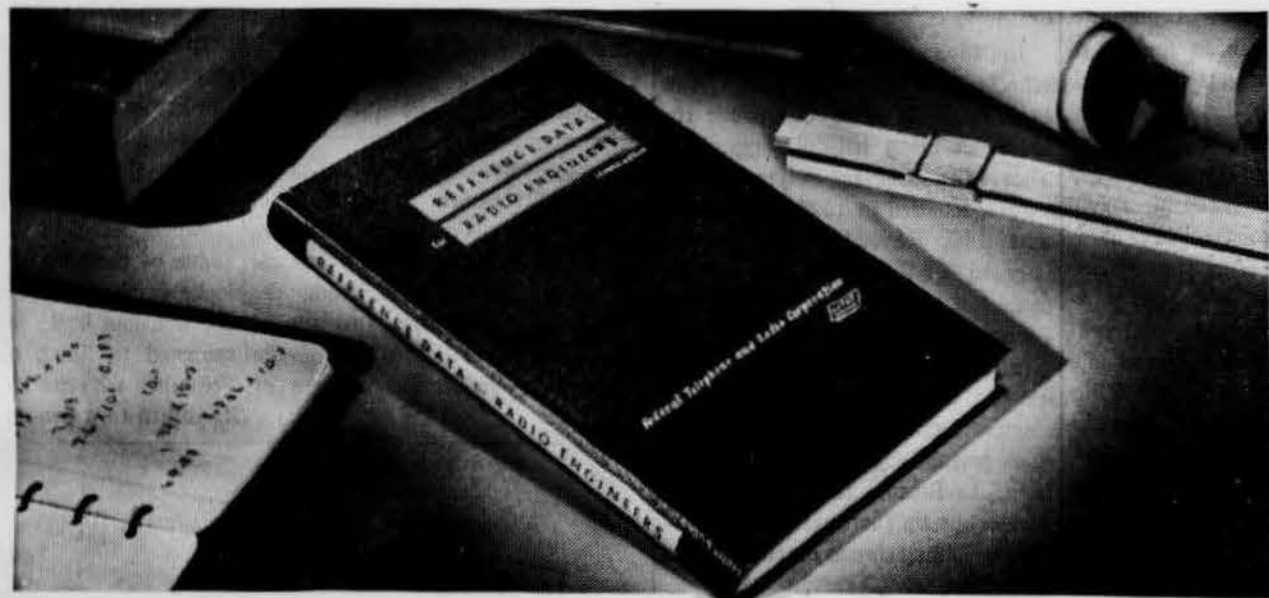
Lambda Chi plans a party and dance this Saturday at the Chapter House. A recent guest was "Woody" Todd, a travelling secre-

tary from the national office. Two recent graduates, Bernard Beisecker, '46, and Russ Jenkins, '46, are back taking graduate work. Bill Wagner, who transferred from Brown University, and Stan Kapusta from Rensselaer, are also here for graduate study. Lambda Chi announces that Wyman Thomas, of the Class of '49, has been pledged.

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Tech's Basketball Team Faces Tough Peace-Time Schedule

Opening Game With Springfield Will Be Here December 7

With a week's practice under their belts, Tech's Basketeers are slowly rounding into shape. Coaches Stagg and McNulty have been experimenting with numerous combines in hopes of finding the one that will give Tech a winning quintet. The big problem is in finding capable replacements for Capt. Bob Kuykendall and high-scoring Jack Laffey who were graduated last term. Steve Ucich, Bob Carlson, and Russ Bradlaw, who comprised the rest of last year's team, are back again this year and are expected to form the nucleus of the varsity five.

In addition to his three retiring varsity men of last year, Coach Stagg is banking on Collins, a pre-war letterman, Adams, a center with plenty of height, Ken Muccino, Padden, Norris, Concordia, and Cromack, just to mention a few.

So far no one has been shooting consistently, or displaying an outstanding floor game. It looks as if Tech will be represented by a club featuring no outstanding performer, but an outfit stressing team play.

Springfield College will furnish the opposition for the first home game on December 7th. Mass. State is listed for the 14th in another home game. Such formidable foes as Brown, R. P. I., Amherst, Boston U., and Tufts are also scheduled, and the team will have to be plenty hot to come out on top.

The Junior Varsity recruits are hard at work under Coach McNulty to get themselves in shape for a tough schedule that includes Brown Frosh, Trinity, A. I. C., and Worcester Academy, to mention a few. Their opening game, with Springfield, on December 7, will be before the varsity game in the Alumni Gym.

The Varsity schedule is as follows:

Dec. 7	Springfield	Here
14	Mass. State	Here
18	Northeastern	Away
Jan. 11	Brown	Here
15	A. I. C.	Away
18	Trinity	Here
25	R. P. I.	Away
Feb. 1	Pratt	Here
5	Amherst	Away
8	Boston U.	Here
12	Tufts	Away
15	Arnold	Here
18	Mass. State	Away
22	Wesleyan	Here

The Junior Varsity schedule:

Dec. 7	Springfield J. V.	Here
14	Commerce High	Here
Jan. 11	Brown Frosh	Here
15	A. I. C. J. V.	Away
18	Trinity J. V.	Here
24	Worc. Junior Col.	Away
Feb. 1	Oxford High	Here
8	Classical High	Here
15	South High	Here
22	Worcester Acad.	Away

Coach Grant Sees Successful Season For Swimmers

Many Veterans Back to Form Nucleus of Team For Coming Meets

After a short layoff during the war, our swimming team is getting back on its feet, or should it be called fins, under the apt direction of Coach Frank Grant. Although the authorized call for candidates for the team was slated for November 12, much talent has been seen in the pool during the past weeks.

Besides the numerous freshmen that are expected and urged to compete for this sport, many fellows from past teams are back with us this season. Leading the field is George Schupp, who won his swimming letter here at Tech before being transferred to Brown University to complete his naval training. Other members of past teams include Ollie Haltunen, Edward Hebditch, and Carl Olson.

All of these men have recently been released from the service and, although there is nothing definite about any of them, are expected to be the main supports of this year's aquatic team. Coach Grant also has his eye on a number of other men, mostly upperclassmen, who have been warming up in the pool. Frank Holby, Thomas Hunter, Pete Kahn, John Tomalonis, F. J. Demarco, Sidney Madwed, K. R. Neale, Bob Martin, and Bob Peterson are a few of the fellows that are expected to turn out for the team. Many of these men have "strutted their stuff" in interfraternity swimming in past years. Naturally, not all of these men will make the team and it will be the duty of the incoming class to complete the roster.

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Council Names Lettermen In Fall Sports

New Team Captains and Managers Announced For Coming Year

Football, soccer, and cross-country lettermen for the past season were named at a session of the Athletic Council held October 16th. At the same meeting, Ernest Fernsten and Harlan Williams were elected to hold the position of assistant managers of the football team next season; G. W. Allen was elected manager of the soccer team for the coming season.

Men receiving the Football "W" are as follows: Dean Amidon, Bohdan Boluch, Howard Green, Frank Gross, William Julian, Charles Layton, Dan McQuillan, Harold Meldon, Kenneth Muccino, Raymond Peabody, Albert Riley, William Robinson, Geno Santandrea, John Williams Jr., Joseph Winslow.

The Soccer "W" was awarded as follows: George Collins, Albert DeLoid, Leo Geary, Joseph Hearne, Richard Horne, George Howe, Aram Karamian, William Longmuir, George Morin, Robert Petersen, Manual Renasco, Donald Shatuck, Phillip Tarr.

The Cross-country award was made to David Brown; the "cWc" went to John Coppola, Russell Turner, Phillip Silver, and Ed Drechsel.

Team captains for next season have been named as follows: Football, Harold Meldon; Soccer, Dick Horne; Cross-country, David Brown.

Brown Competes in Intercollegiate Cross Country Meet in Hub

Ex-Techman, Lemieux, Finishes Fourth; Black Of Rhode Island Wins

Sophomore harrier Dave Brown, who has been the bright light of Tech's recent cross-country season, finished thirtieth in a field of over fifty of New England's finest collegiate hill and dalers. The occasion was the 34th annual New England Intercollegiate cross country run at Franklin Park in Boston, last Saturday afternoon.

Bob Black, Rhode Island State freshman, won easily finishing ahead of Ted Vogel of Tufts, and Jim O'Leary of Holy Cross. Ed Lemieux, who won this same race last year for Tech, finished fourth last Saturday, wearing the colors of Trinity. Black's winning time was 20 minutes, 55 seconds, for the 4½ mile course.

During the regular season Dave Brown seemed to be almost a one man team. He finished first in a dual meet with Coast Guard, and second in meets with Mass. State and Springfield. During vacation and the opening week of school, Dave has been practising daily on his own.

AROUND THE BLOCK

By LOU BLOCK

Veteran lettermen from last year's squad who have returned to the court again this winter are Bob Carlson, Steve Ucich, and Russ Bradlaw. These players and George Collins, a letterman from 1943, and a few promising newcomers are expected to bear the brunt of the attack for the Techmen this season.

Despite the fact that these players are available, there appears to be no outstanding individual on the team who can compare with Laffey and Kuykendall from last year or like Jones, Twitchell, Fleit, Stone, or Schmidt from previous years. These former stars led the team to victory against its opponents during the war years, but now, with most schools overloaded with talent, it is doubtful that the Tech team will rise and shine this season as it did in the past.

Many of the players are only freshmen or sophomores, and with two or three playing years ahead, they may develop into stars in their own right in the coming season. This year, however, it appears that they will be playing primarily for the self-confidence and experience that are needed on a college team. The big question this season will not be how good or how bad these individual players are, but how good or how bad they are in comparison to the other college teams.

As in previous years the basketball squad will be composed of twelve varsity players and about fifteen jayvees. In this column's opinion, there will not be much of a sharp contrast between the compara-

tive skill and ability of the varsity players to that of the jayvees. In other words, we believe that the jayvees will be too good for their high school competition, while the varsity may be slightly inferior to its collegiate competition. Certain players will, undoubtedly, be shuffled around quite regularly, playing a few weeks for the varsity, and then a few weeks for the jayvees.

A few players for the team who have shown definite promise during the first week of practice, besides the aforementioned lettermen, are: Norris, a tall husky sophomore, who has shown plenty of fight and potential ability during the first week of practice; Al Raymond and Buddy Dember, former junior varsity players from 1942 and 1943, who seem to have sufficient experience and skill in the game, but may find difficulty in making the varsity because of their small stature; Dan Lewis, Rog Cromack, and Frank Gross, three tall boys who played jayvee ball last season and the season before; Joe Concordia and Norm Padden, both of whom played a bit for the varsity before entering service; Art Collins, younger brother of letterman George Collins; Gerry Fleit, younger brother of the former Tech star, Hal Fleit; and newcomers Muccino, Barna, Adams and Smith.

These are the players who will undoubtedly represent Tech on the hardwood court this season. They have shown an abundance of fight and promise during the first week of practice, but not too much individual ability. Whether or not the Boynton Hillers will have a successful season will depend on the ability of these players to work well as a unit team. Whether or not they will be able to do this in a commendable manner lies the question mark as far as the success of the 1946-47 basketball season is concerned.

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GADDING AROUND

By GADGE ADAMS

Once again the enrollment of Poly has swelled, this time to a record number of embryo engineers, and so the Tech Wives' Club is putting on a big drive for membership. This also seems to be the time when apparent slights run so high, that I have been asked to assure all the girls who have not received formal invitations to become members of the club, that they are most welcome to join. A king size gab fest and "how-dee-do" meeting has been scheduled for the evening after Thanksgiving, and I am told that the glad hand will be extended to what is hoped will be a large number of new campus homemakers. This notice applies especially to the wives of men starting in the upper classes, as their records do not seem to be complete as regards marital status.

I would like to draw an accurate word picture of what transpires beyond the doors of the Janet Earle room on get together nite, but it isn't easy. Now and then I get hold of abbreviated minutes of the business end of the meeting, but the word on the informal confabs held thereafter is as hard to pick up as a wet dollar bill on a marble lunch counter. I ask my spouse what was said and the answer is "Oh, nothing", but as everyone knows, a group of females can squeeze in some very interesting "oh, nothings" in a couple of hours.

I can be a little more complete on the story of the last meeting 'cause I was there. Following the precedent of some very enjoyable picnics, and a great barn dance, the Hallowe'en party made a successful end to last term's social season. The evening

started with dancing to the music of a hyperthyroid version of the Boyntonians, which, incidentally, made all the music, both in quality and volume, that the walls of Janet Earle could stand. Then Mrs. Kilcoin led a few choruses of the Hokey Pokey, which is enough to break the ice in any gathering less formal than a United Nations assembly. I was always of the opinion that Hokey Pokey was a cheap brand of ice cream, but my notions were abruptly changed after a couple of my joints were knocked out.

There followed a series of traditional Hallowe'en games including pinning the tail on the cat (which was substituted for the usual jack-horse), and of course bobbing for apples. The latter was fouled up, though, from the start. There was one large bucket from which only a man adopting the habits of an adult seal could remove the apple, and the other was so small that each contestant had to take turns.

After all the paper towels in Alden had been used, and the floor had been partially swabbed down, cider and doughnuts were served in great abundance. Aside from the usual after effects of over-stuffing on the above-mentioned victuals, I feel I can safely say that everyone had a very enjoyable evening.

I hope I have encouraged a few reticent young ladies to come through to make an appearance at the starting meeting November 29. This is one of the few opportunities to get away from the one or two room apartments that most of us are likely to get, and is a fine chance to meet and make new friends.

Columbia's Gridmen Under Little Shine In Classrooms

Coach Lou Little's football players at Columbia University do better classroom work during the gridiron season than at any other time in the school year, sports writer Stanley Frank reports in the current (Nov. 16) *Saturday Evening Post*.

Not only that, but statistics show that there is less academic mortality among Columbia football players than in the general student body, the article asserts.

This academic phenomenon is attributed by Nicholas M. McKnight, associate dean of Columbia College, to the pressure Little puts on his players during the fall. During the season, the article states, Little sends unsolicited inquiries to each player's instructor every three weeks, asking for reports on his grades, cuts and attitude in class. If a boy drops from a B average to a C plus, a safe passing mark, Little "hauls the culprit on the carpet and gives him what-for."

Little is invariably short on talent because of a non-proselyting policy and the fact that, despite being one of the world's largest universities, Columbia has one of the smallest manpower pools in the Ivy League. However, the article states, these drawbacks have not prevented Little from asserting his ability as an "imaginative tactician." It is pointed out that many teams have since adopted the wing-T formation he introduced last year. His stature in the football world is further evidenced by the fact he is chairman of the football rules committee and a past president of the American Football Coaches Association.

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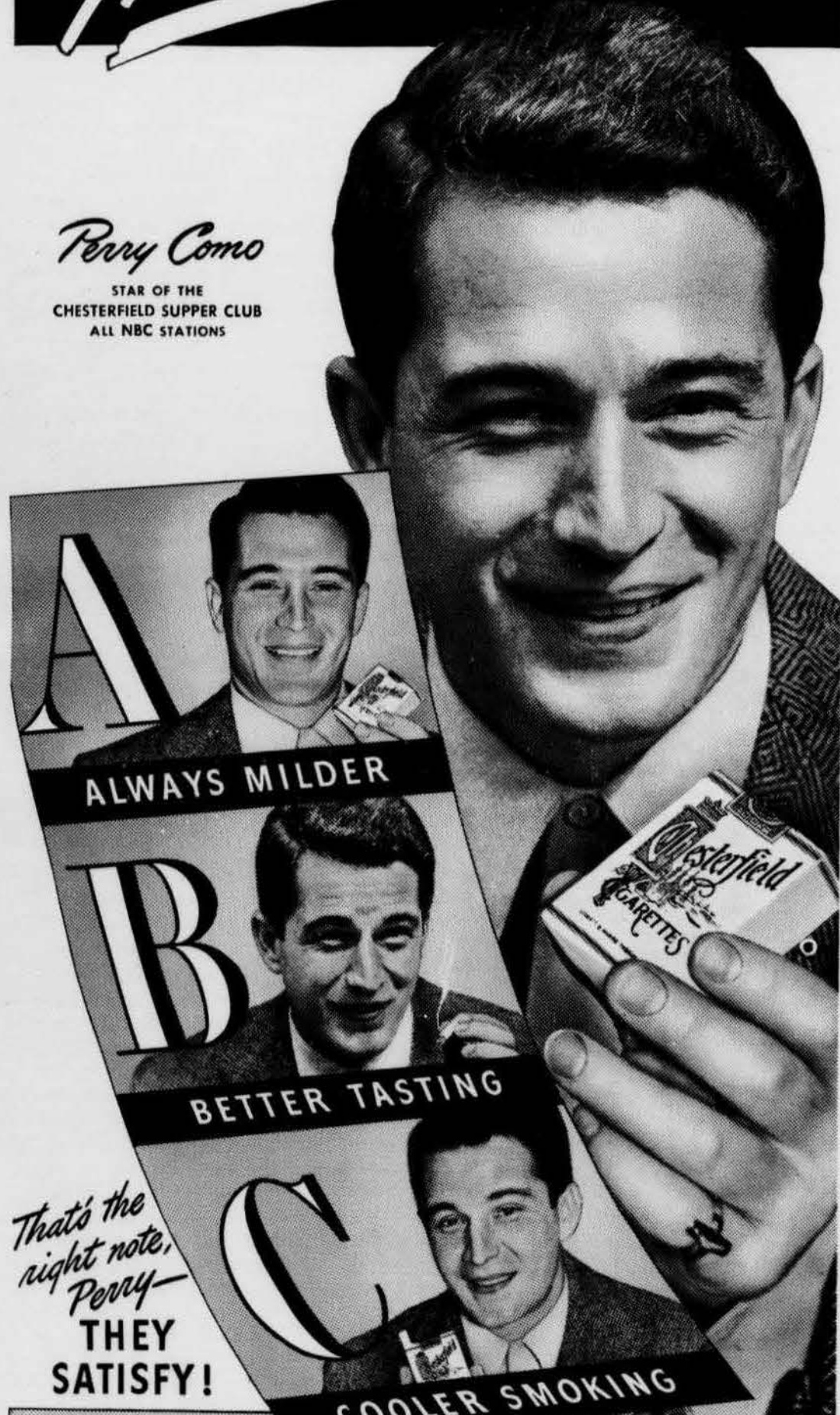
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