



# TECH NEWS

Assembly  
June 6

Z320

Volume XXXVII

Worcester Polytechnic Institute, Worcester, Massachusetts, Tuesday, May 29, 1945

Number 6

## Ruby Moule's Orchestra, Beauty Contest, To Highlight Formal

### Alden Memorial Scene In Crowning of Tech's "Queen of the Dance"

This is "IT" fellows—the complete lowdown on the formal weekend. This formal will be, without the slightest doubt, the best in the entire history of all the Tech formals ever held. All you need do is to read on and you will agree with this statement wholeheartedly.

Therefore, not a single one of you, who can possibly help it, should miss it. It will be a weekend that you will never forget, a final remembrance of Tech that the graduating seniors will always remember, and one which any other class will have to work hard to equal.

The weekend will begin with special liberty for the Navy beginning at 1630 Friday afternoon and ending at 0300 Saturday morning. The dance will be held in Alden Auditorium Friday night from nine to one. The music, furnished by Ruby Moule's Orchestra from Boston, promises to be excellent.

The chaperones for the occasion will be Admiral Cluverius, Captain Sachse, Lieut. Schwieger, Lieut. Brown, Prof. and Mrs. Longwell, and Prof. and Mrs. Swan.

Also, fellows, there is to be a beauty Queen for the dance. It is planned that the band leader will pick from the floor the ten most beautiful girls and from these contestants, the male chaperones will pick the winner. The winner will be crowned with flowers by the Admiral. The Queen will also be the Guest of Honor at the Navy drill on Saturday morning.

Tickets for the dance are \$3.60 per couple and special notice should be made of the fact that they will be collected at the door.

There will be refreshments at the dance and during the intermission the special issue of the TECH NEWS will be released.

That is the program for the dance and it is still only the beginning.

Saturday morning the activities will resume again. For the Navy it will be a hectic morning, for between escorting their "dates" to classes and keeping their khakis neat for the inspecting parties' visit, they will have to be "on their toes".

Saturday afternoon will be free for the individual couples to fill as they please. However, many of the fraternities are making elaborate plans for this time.

Then in the evening, the traditional Round Robin will be held. All the fraternities will hold open house and the couples will circulate

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## Prof. MacCullough Expert Authority Of Materials Testing

### Tech M. E. Professor Has Conducted Tests On All Types of Materials

During his 27 years at W.P.I., Professor G. H. MacCullough has conducted strength tests on nearly every known type of engineering material. In prewar days examinations were made on malleable and cast iron, all types of wrenches, pipe fittings, metallic alloys, and heat-treated tension specimens. Tension tests up to 3800 lbs. were also made on wire and cable. Pushing beyond the realm of metals, strength tests were conducted on rock specimens, and the strength and stretch properties of leather were also examined.

Recently, Professor MacCullough has made extensive tests on concrete used by the Army and strength tests of rotating rings used on projectiles.

Last year the war brought Professor MacCullough a year-long job. It consisted of testing 135,000 feet of 1 3/4 inch heat-treated anchor chain to be used on Navy landing craft. The chain was brought to Higgins Laboratory in 90-foot lengths.

At present Professor MacCullough is strength-testing materials used in incendiary bombs and aluminum propeller hub covers manufactured by the Worcester Pressed Steel Co. Other tests, still in the experimental stage, are being conducted on the holding mechanism and other parts used in rocket assemblies.

Professor MacCullough stated that new electrical strain gauges are being perfected which, when they become available for general use, will make possible greater ease and accuracy in testing the strength of materials.

## Friday Movies For Navy Unit

The movies that are being shown on successive Friday nights in Alden Auditorium to the Navy trainees are made possible by money from the welfare fund. Everybody in the Unit has contributed to this fund through the money that is made by the sale of Coca-Cola in the dormitories.

The distribution of the films, which are the very latest, is arranged by the Option Naval District Motion Picture Plan.

These movies will continue until the end of this term, and while at-

## Commencement Exercises June 23

### Ira H. Mosher, President of N.A.M. To Be Main Speaker

## Elections for A. A. Tech Council at Assembly, June 6

On Wednesday, June 6, a general assembly will be held in Alden Memorial. Classes will be shortened during the morning so that the assembly may be started at 11:25.

At this time, Professor Carpenter, Head of the Athletic Department, will present athletic awards to various students. Also on the program will be elections for the Tech Council President and for all the officers of the Athletic Association. Ballots will be given to all present for the voting. The present president of the Athletic Association, Carl Simon, will preside over the elections for the offices of president, vice-president, treasurer, and secretary for that organization and the president of the Tech Council, Stewart, will preside over the voting for the future president.

## Student Christian Association Assigns New Cabinet

### New Members Will Hold Annual Retreat to Plan Coming Year's Activities

The members of the Student Christian Association Cabinet will hold their annual retreat on Sunday, June 3rd, at the home of Professor and Mrs. Paul Swan. At this retreat, which has been organized to plan activities for the coming year, the replacements to the cabinet will assume active duty.

On the Cabinet there is a member from each fraternity, as well as one civilian and one Navy representative who are non-fraternity members. By graduation, the Cabinet will lose three men who will be replaced as follows: George Conley of TKP, will take over for William Grogan; John Dzwilewski is to replace Joseph Johnson of ATO; and Leonard Berg of PSK will take Herbert Slaughter's place. Wilfred Lee has been chosen as the non-fraternity man to replace Irving McDonald.

The business session has been scheduled to begin at 4 P.M. and continue until 6 o'clock, after which Mrs. Swan will serve supper for the members. Admiral Cluverius will attend supper and then will talk with the members of the Cabinet about the plans and activities of the S.C.A. on the Tech campus.

tendance is not compulsory, the pictures provide relaxation for the Navy students.

## Athletic Program Completed For Next Autumn

### Football, Soccer Teams Have Scheduled Ten Worthy Opponents

With baseball going into full swing to carry us through the Summer, we look ahead to next Fall's football and soccer sports lineup. Though there appears to be quite a few changes to be made in the lineups from last year, Tech will as usual put a fighting football team on the field. This year's schedule consists of five good opponents, many of whom were played last season. The schedule at present is the following:

- Sept. 15—Union, here
- Sept. 22—R.P.I., Troy
- Sept. 29—Conn., here
- Oct. 6—Wesleyan, Middletown
- Oct. 13—Tufts, here

The soccer schedule this season lists four matches with a good possibility of a fifth. The soccer team, too, looks forward to many changes in their lineup, but, nevertheless, a good team will be put on the field for every game. The contests for next Fall are listed as follows:

- Sept. 15—Brown, here
- Sept. 22—Tufts, here
- Sept. 29—Wesleyan, Middletown
- Oct. 6—Coast Guard, New London
- Oct. 13—pending

The schedule for the cross country team has not yet been completed.

## Tech News to Hold Banquet, Prof. C. J. Adams Speaker

A testimonial banquet in honor of the retiring seniors of the TECH NEWS Staff will be given Thursday, May 31, at Putnam and Thurston's restaurant. Professor C. J. Adams, retired head of the English department will be the principal speaker. The banquet is in honor of the retiring seniors and is an expression of Techs' gratitude for these men who spent a considerable amount of their time and trouble in guiding the TECH NEWS through the difficult times of war. Besides Professor Emeritus Adams, guests will include Captain Frederick Sachse, Commander of the Naval Unit, and Lieutenant Robert Brown.

## 87 Seniors Graduate; First Class to Finish Course in 33 Months

The ceremonies of Graduation for the Class of 1946 will take place on Friday and Saturday, June 22 and 23. The actual presentation of diplomas, which will occur on Saturday afternoon, is to be preceded by a series of other colorful and memorable affairs.

Class Day, which is actually a combination of events, will begin at 2:30 P.M. on Friday. The first of these events will take place in Alden Hall, and will consist of deliverance of the Class Oration by William Gagas, recitation of the Class History by William Grogan, and presentation of the Class Gift by Herbert Slaughter. Following this, weather permitting, will take place the Tree and Ivy ceremony, at which a tree and ivy will be presented to the Institute, Edward Stokel acting in the name of the class. Admiral Cluverius will be the recipient of these awards in the name of Tech.

At 3:30 P.M. is scheduled the President's reception for the Senior Class in the Janet Earle Room. This will provide opportunity for the parents and guests of the graduating class to meet the President, the Faculty and their wives.

On Friday evening at 7 o'clock the Senior Dinner Dance will take place in the main ballroom of the Sheraton Hotel, with John Metzger as chairman. Entertainment will be provided by a magician.

The Baccalaureate Services will be held on Saturday morning at 11 o'clock, with the families and friends of the graduates as guests. Rev. Harold Jones, Minister of the Central Congregational Church, and ex-officio officer of the Board of Trustees of W.P.I., will deliver the Baccalaureate Address. Richard Anschutz, chairman of the Baccalaureate Committee has been selected to read the prayers for this occasion.

From 10 A.M. through the day, the buildings and laboratories of the campus will be open for inspection of the visiting guests.

Admiral Cluverius will direct the graduation exercises which will begin at 2:30 in the afternoon. The principal speaker is to be Mr. Ira Mosher, president of the National Association of Manufacturers. This, the most important of all the exercises, will begin with a processional of the students, faculty, trustees and honored guests. After the addresses and awarding of degrees and prizes,

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## TECH NEWS

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## Editorials

### Give 'em a Break

With the Winter sports season gone by and Summer just around the corner, one particular item calls for a look backward. Worcester Tech has the well deserved reputation of producing engineers of genius and ability. Not only has Tech produced engineers of note, but has made a name for itself in sports. However, one would have to go out of his way to pick out that fine point in the local news. Worcester Tech has some of the finest athletic talent in New England college circles, notwithstanding the small number of students attending. Note also, Worcester Tech has one of the toughest scholastic grinds in New England. What does this mean? Simply this: a man at Tech has to be up on his studies in order to participate in sports and he must also be good enough to compete favorably in intercollegiate sports. Not one of the powers that be, give due credit to these athletes. Why is it that even with good showing of scores, Tech gets incidental space in the sports pages? Why is it that when Tech wins a contest, it "edges" its opponents but when Tech loses, it "bows", gets "trounced", etc? We grant that Tech does not major in sports, the teams are not always on the topside of the score but our athletes play from their hearts as well as from their heads, and all they get is "also ran" billings.

We do not reprimand the local newspapers, for the simple reason that most people do not appreciate the efforts of the engineering student. No one knows except the engineer. Now then, what is the answer? Who is to amend the misunderstanding that seems to prevail? These men are preparing to be accepted into our national economy as engineers and yet with the limited time allotted to practice sessions they hold their own on the field of play.

All that is asked is that these men be given full credit for their athletic ability.

### Graduation

Less than a month from today the class of '46 will have its long awaited graduation. This will be the final step after eight terms of almost continuous hard study for some, and for others it will be the end of eight terms of continuous study and exercise. After this month the men will be going out into the world to find out how much they learned at Tech. Some will go into industry, but most will become officers in the Navy after more study. We wish them the best of luck.

In the class of '46, which came to Tech in the Fall of 1942, the casualty list has been high. Many of its original members have been called to the service. Those that are left, have seen the changes caused by the war more than any other class, because the class of '46 was the last class to get even a taste of peace-time operation. They have done everything possible to keep things going. The undergraduates owe them a vote of thanks for this, and also for trying to keep alive—in memory at least—traditions which have temporarily gone by the board.

### The TECH PHARMACY

Sol Harowitz, W.P.I. '22

Cor. West and Highland Sts.

### KINGSBURY'S Photo Service

Copying - Enlarging - Developing  
(See Harold Kingsbury at the Dorm)  
Overnight Service

## Prof. Swan Host To General In Prexy's Absence

On May 25, General Franklin and his aide, Lt. Laborde, of the Brazilian Army in the company of Lt. Webber, an American, inspected the laboratories and curricula of Worcester Tech.

General Franklin is head of the Military Polytechnic Institute of Rio de Janeiro, Brazil.

The party spent from 10 A.M. to 12:30 P.M. on the campus visiting with the professors and heads of the various departments. Then at 12:30 they went out to Chaffins to spend an hour with Prof. Hooper at the Alden Hydraulic Labs. They were very much impressed and pleased with their visit.

## AIEE Meeting Held May 31

The Student Branch of the American Institute of Electrical Engineers will hold a meeting Thursday, May 31, in the Janet Earle Room of Alden Memorial. Officers for the next term will be elected at this meeting and all members and interested students are urged to attend.

Mr. Guy F. Woodward of the Worcester County Electric Company will speak on "Trouble Shooting in Distributing Systems." He will accompany his talk with some very interesting demonstrations and will answer any questions the students may have on the subject. Refreshments will be served following Mr. Woodward's talk.

## Newman Club Elects New Slate; W. J. Bank Elected President

At a meeting of the Newman Club held on Monday, May 14, 1945, in the Janet Earle Room, the officers for the coming year were elected. Walter Bank was elected President; Robert Holland, Vice-President; Edward Supple, Secretary-Treasurer; Robert Davis, Auditor. A Senior Board was also elected, and includes George Conley, Joseph Tracy, and Christopher Herbert; and Raymond Brandoli and Frank Sauer, Junior Board, with Morice Dager on the Sophomore Board.

Father Brabson, Chaplain of the Club, followed the elections with an interesting talk on "Ideals of Christian Living" in which he discussed the norms by which we should guide ourselves in later life.

The next meeting of the Club will be on June 6, at which plans for a Communion Breakfast in the early part of July will be discussed.

## Radio Club to Hold Elections Tuesday, May 29

At a meeting of the Radio Club held in the EE building last week, Frank Weeks was elected temporary

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They deliver the goods!



"Tanker out of control on port bow," the lookout telephones to the officer on the bridge. Ever alert, this merchant seaman and his mates transport mountains of materials to every battle front. In spite of fog, storms and the enemy, they are delivering the tools of Victory.

Until the day of Victory comes, our job at Western Electric is to keep on producing vast quantities of communications and electronic equipment to aid every branch of our wartime services. In this work, many college graduates—both men and women—are serving their country well.

Buy all the War Bonds you can—and keep them!



## KOOL?!

This quote from the News Bureau of the G.E. Company may be of interest. Smokers may not realize it, but the lighted end of a cigarette is so hot its temperature is slightly above the melting point of aluminum or magnesium.

Using a thermocouple, made of extremely thin wires 5/1000ths of an inch in diameter, A. H. Young of the General Electric research laboratory here has found that the lighted cigarette end is between 1200 and 1325 degrees Fahrenheit. A thermocouple is an electrical device that measures temperature.

Despite the proximity of this terrific heat to the lips, no burns result, because fibrous materials containing air spaces—such as the tobacco in a cigarette—are inherently good insulators. Consequently, the temperature drops off very rapidly from the hot end.

### Graduation

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will be a recession, and thus will end the days at Tech for the Class of 1946.

The general chairman of all the graduation committees is Larry Stewart, while the Class Day Committee is under the chairmanship of Mauro Lacedonia, and the Souvenir Program Committee has Robert Bartlett as chairman.

### Formal

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from one house to another.

So, fellows, there is the plan for the weekend. We hope to see you all at the dance and the rest of the weekend's festivities.

The dance committee, under the chairmanship of John Landers, is Jim Maloney, Charlie Richardson, Larry Stewart, Tom Coonan, and Paul Mullaney.

## SPORT SIDELIGHTS

By Bill Jaegle

Entirely too little mention or even thought has been extended to the sailing team. Many of the recent Navy transferees are not even aware of the fact that Tech has such a squad. The weekend of May 19 and 20 saw our sailors in the National Dinghy Championships at Cambridge. The squad as a whole placed in the upper half of a field of twelve together with Yale, Harvard, and Tufts. The yachtsmen, of which Al Rockwood is the Commodore, certainly deserve favorable criticism for their efforts. Other men who took part in the Nationals are Al Breed, Johnny Hossack, Herb Cahoon, Roger Williams, and Ed Supple. Meets of this sort usually last for a whole weekend and just about use up a Navy man's liberty time. In this it differs from other activities such as basketball or baseball that require only a few hours time. Have any of us ever thought of giving up a weekend for the school? Guess not. Well, nice going, team, and keep reeling off those regattas.

The track meet at Wesleyan on Saturday, May 19, was run under standard New England conditions of rain and mud. This played havoc with our distance men who are in general lightly built. A light runner is much more affected by bad field conditions than a heavier runner. The small amount of mud picked up from such a track develops into quite a drag when carried for two miles. This effect is increased as the runner's weight decreases. Lighter men are also more slowed down by the foot resistance of a wet track. Tech's representatives in the distance field at Wesleyan had a tough swim to say the least. Now we know why Ed Lemieux has taken swimming classes so often lately. Ed came in

second to a well built opponent who was able to take advantage of the difficult track. Jim "Three Lung" Maloney tied for second with Ed. Jim was asked to run for the school after turning in such a fine showing in the intramural track meet by beating some of the squad's best men. He has only to win a race to gain the coveted "W". That's quite a condition, but we think Jim can do it. The tracksters have a busy week coming up with Brown University coming to them on Tuesday and they're going to Tufts on Saturday.

For the past few weeks, the immediate interest of everyone has been centered in the interfraternity softball games. The soccer field has provided diamonds for some of the most spirited games we have seen. The friendly competitiveness shown by all house members is as refreshing as the game itself. The league stands now with Alpha Tau Omega and Lambda Chi Alpha tied for first place with perfect records. They come face to face on Monday. Whoever wins, we will all agree that the games furnish fine diversion.

## Buy War Bonds



"That War Bond may be a ticket to freedom, Mate, but it's not a liberty pass!"

## I. F. Softball Tournament Nears Finish

### ATO and LXA Battling For First Place; TKP In Third

In spite of the bad weather the Interfraternity league has played off most of its schedule. A few games, however, had to be postponed. There has been quite a large turnout at all the games, and a pleasing combination of competition and sportsmanship has been displayed by all. The teams are closely matched and several of the games have had to run overtime. The rivals for first place now are LXA and ATO; TKP is a close third. The present standings are:

	Won	Lost
LXA	4	0
ATO	6	0
TKP	4	2
PSK	4	3
PGD	4	3
SPE	3	4
AEP	2	5
SAE	2	6
TX	1	6

## TENNIS TEAM LOSES MATCH TO HARVARD

The Tech tennis team lost its match to Harvard on Saturday, May 26, by a score of 7-0 on the Harvard Business School courts. It was a heartbreaking loss to the Tech netsters, who fought valiantly, but were swamped by the superior Harvard team.

Summary: Singles—Hunter (H) d. Stewart (W), 6-4, 6-0; Levin (H) d. McKinley (W), 6-1, 6-2; Holton (H) d. Bartlett (W), 6-1, 6-4, 4-6; Robert (H) d. Corf (W), 6-8, 6-1, 6-2; Frothingham (H) d. Duffy (W), 6-0, 6-1. Doubles—Hunter and Levin (H) d. Stewart and McKinley (W), 6-1, 6-2; Alperin and Frothingham (H) d. Bartlett and Corf (W), 2-6, 6-1, 6-3.

## Navy Softball Competition To Start June 2

### All Platoons, Plus Ship's Company, to Participate In Heated Competition

This Friday, the annual inter-platoon softball competition in the Naval Unit will begin. There will be two leagues; one, composed of all the platoons in Stratton Hall plus the Ship's Company; the other, all the platoons in Sanford Riley Hall.

Plenty of fight and spirit will be forthcoming, as the platoons will fight hard for the reward of possible liberty till 2300 on a Wednesday night.

The Ship's Company, strengthened by the addition of "Hypo" Kelly, "Surgeon" Turgeon, and "Ration"

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## Track Team Loses to Wesleyan, 71-55 In Dual Swim Meet

### Team Handicapped As Several Members Were Ineligible

Tech's track team was defeated, 71-55, in a hard-fought dual meet with Wesleyan on Saturday, May 19, on a soggy track and heavy pits. The undermanned Tech team could not overcome the lead set by Wesleyan, though attempting to do so by having several men double up on their races to make up for the men incapacitated by mid-term marks.

Bob Hayward took two firsts, one in the discus with a toss of 110 feet, 11 inches, and another in the javelin with a throw of 134 feet, one inch. Bob Hamilton captured first place in the 220 yard low hurdles, in 28 seconds, with Harry Mehrer placing second in this event.

Ed Lemieux, bogged down somewhat by the wet track, was overtaken by Yordon of Wesleyan, and trailed by 50 yards at the finish of the two-mile race. Ed also ran the one-mile event in a try to gain some of the points lost by absenteeism, and finished a very close second, when he was nipped by the breadth of a whisker in a photo-finish, by Wesleyan's Phil Baker.

The 880 yard run was taken by Tech's Rod Chase in a slow 2:10.4, while Brooks of W.P.I. took a third in that event.

The Wesleyan track team swept the 100, 220, and 440 yard dashes, thus amassing a point total that could not be overcome by the Tech team.

The summary is as follows:

120-yard high hurdles—Won by Edwards (W); 2d, Hamilton (WP); 3d, Mehrer (WP). Height 16.2.

100-yard dash—Won by Murray (W); 2d, Godfrey (W); 3d, Clayman (W). Time 10.6.

One-mile—Won by Baker (W); 2d, Lemieux (WP); 3d, Brooks (WP). Time 4:49.

Shot put—Won by Jensen (W); 2d, Hayward (WP); 3d, Dorchester (W). Distance 36 ft., 11 in.

440-yard dash—Won by Clancy (W); 2d, Lowey (W); 3d, Gately (W). Time 55.3.

High jump—Won by Edwards (W); 2d, Jones (WP); 3d, Barrett (W). Height 5 ft., 9 in.

Two-mile—Won by Yordon (W); 2d, tie between Lemieux and Malover, both (WP). Time 10:37.2.

220-yard dash—Won by Murray (W); 2d, Godfrey (W); 3d, Clayman (W). Time 23.2.

Discus—Won by Hayward (WP); 2d, Griffith (W); 3d, Lawton (WP). Distance 110 ft., 11 in.

220-yard hurdles—Won by Hamilton (WP); 2d, Mehrer (WP); 3d, Easton (W). Time 28 seconds.

880-yard run—Won by Chase (WP); 2d, Baker (W); 3d, Brooks (WP). Time 2:10.4.

Pole vault—Jones and Jordan (WP) tied for first place; 3d, Horn (W). Height 9 ft., 6 in.

Broad jump—Won by Soules (W); 2d, Mehrer (WP); 3d, Bagshaw (W). Distance 18 ft., 11 1/4 in.

Javelin—Won by Hayward (WP); 2d, Garback (W); 3d, Lawton (WP). Distance 134 ft., 1 in.

## Harvard Errors Prove Costly To Pitcher

### Johnnies Tally Five Runs in First Inning To Win Game 10-2

Tech's baseball team was beaten by a strong Harvard nine 10-2 on Saturday, May 26, at Soldier's Field, Cambridge. Jack Wallace, Harvard's ace pitcher, scattered four hits over the nine innings of play, to hurl his team to victory. This was the second setback in three starts for Tech, and the fourth victory in seven games for the Johnnies.

Wallace won his game in the first inning when the Engineers' hurler, Dick Rodier, threw several wild pitches, and the Crimson team tallied five runs in a scoring spree. Pitcher Don McCauley replaced Rodier on the mound and turned in a steady job of pitching until the seventh inning, when he was hit for three runs. At this point, Mal Bailey was called in to halt the scoring.

Five errors on the part of the Crimson team spoiled Wallace's chances of adding another shutout victory to his present season's string of three. Outfielder Jack Wilson was the only Tech player who could hit Harvard's hurler, getting a total of three in his five trips to bat.

After three scoreless innings, the Engineers came to life. Gray walked to open the inning, then took third on a miscue by third baseman Copping. An infield out brought in Gray and Tech's first run of the game. Tech went scoreless until the eighth inning, when pinch-hitter Brian Gallagher drew a base on balls, and took third and home on two successive Crimson errors. That run ended Tech's scoring for the day.

The Harvard scoring started in the first inning, when Rodier gave two passes, and a Tech error, coupled with a wild throw, brought in five runs and sent Rodier to the showers.

In the second inning, the Crimson added two more runs on two walks and a wild pitch by McCauley, followed by a long double by Wallace. Harvard finished its scoring in the seventh inning when Wallace and Closky walked, Ayer's single brought in Wallace, and Closky scored on a double steal. Ayers reached home on another wild pitch.

The next game for Tech's baseball team is at Trinity on June 9.

## Radio Club Holds Elections

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chairman, until a new staff of officers can be elected for the coming term.

The next meeting of the Club will be on Tuesday, May 29, at which plans for the coming term will be discussed, and an election of officers will be held. It is important that everyone interested be there for the election.

## Patronize Our Advertisers

# Scuttlebutt Harbor

Orville Ranger

There's one fact about which I have to agree with Georgie Fritz. That is the huge success of the eleven o'clock liberty experiment which was tried a short time ago. I haven't heard one dissenting voice—not even from Augie Kellerman, who is such a scab that he has his E.E. done two weeks ahead of schedule anyway.

Not so long ago one of the lads from Tech passed out as an after-effect of a novacaine shot. After asking the dentist why this had happened, he was told that it was a common occurrence among those men who, though they felt all right, were really physically and mentally tired. So far, eleven Tech men have fainted from novacaine shots—none from Holy Cross.

It would be a nice job for some of those ambitious sophomore E.E.'s to rig up a system so that music, news, and commercials, of course, could be broadcast from a couple of loudspeakers at either end of the chow hall. I don't suppose there's much sense in being practical when there's such a beautiful opportunity to be theoretical, but it does seem

as though there must be enough pieces of wire, condensers, capacitors, and whatever is needed hanging around between instructors at the E.E. lab to make up a perfectly marvelous wiring diagram. In fact, if everyone heartily agreed, I guess a small portion of the excess lettuce from those red, rotating bars in the halls could be used. By the way, if anyone has any suggestions as to how the fund from the coke machines could be used to benefit the most people in the best way, let him not hide his candle under a bushel or even a quart, in fact, but instead let him use his organs of speech to make himself heard. It's safe to say that if he lets some member of the TECH NEWS Staff in on the idea, it will not go unpublicized.

## NAVY SENIORS LEAVE FOR MIDDY SCHOOL

The members of the senior class who become midshipmen in June will have to give their maximum effort if they wish to maintain the high standard of excellence attained by the Tech men who have gone before them. W.P.I. has sent 102 men to midshipman school and only one has failed to obtain his commission. This failure was due to an academic failure, and not to lack of officer-like qualities or disciplinary action. The Tech record compares very favorably with that of all other colleges in the V-12 training program.

Of those who have gone to "Middy" school 75 per cent were in the upper half of their class.

## Student's ASCE Holds Meeting

The Student A.S.C.E. held a meeting last Thursday. The speaker of the night was Charles Hardy who graduated from Tech. Mr. Hardy is Chief of the Worcester Water Sys-

tem. His topic was the Worcester city water supply.

He described the city's water system and told of some of the difficulties experienced during the past few years. He also told of some of the forthcoming improvements which are being planned.

Another meeting is planned for next Thursday night at 7 P.M. in the Green Room. Mr. Louis H. Berger of the G. L. Berger Company of Boston, which manufactures surveying instruments, will speak. He will give a talk on engineering prospects.

## Nautical Club Races In Fourth Meet of Season at MIT

The Nautical Club will race at M.I.T. next Saturday for the fourth meet of the season. Previous races have been at Coast Guard, Brown, and M.I.T. It is reported that several of the schools have coaches and that teams have the facilities to practice every day which is rather a handicap to the Worcester boys. However, interest is high and the members are becoming very proficient in their ability to handle the dinghies. Their activity is recognized as an organized sport and letters may be forthcoming for those with qualifying scores.

## Inter-Co. Softball

(Continued from Page 3, Col. 3)

Point" Tumulty, will undoubtedly furnish strong competition for the anxious platoons in their eager quest for that first place. And don't forget those sluggers of the pellet, "Demerits" Brown, "Black Mac" McNulty, and "Fifty Laps" Creden, who are expected to bend into shape the new additions to their team of champions, in a series of practice sessions entitled, "How to swat the ball" or, "Don't forget to duck, brother, those aren't snowballs he's throwing."

So let's get out there and fight, you Navy men, there's no black marks for striking out!

# COMMAND PILOT PRAISES PLANE POWERED BY G-E JET

News Bureau, G. E. Company

Powered by the super G-E Jet, the Army Air Forces P-80 Shooting Star is "easy to fly" and when speeding faster than any other plane will fly "it seems to float through the air with the greatest of ease," Colonel Bruce K. Holloway, veteran 14th Air Force fighter pilot, said after completing test flights in this new Lockheed plane.

Colonel Holloway's praise for the new jet plane, the first statement to be made public by an AAF officer about his own experiences in piloting this lightning-like fighter, was issued in *Air Force*, official journal of the Army Air Forces.

One of the points emphasized was that the G-E Jet, which was designed and developed by General Electric engineers, generated "no sensation of tension or vibration," even when it was producing maximum power.

"The P-80 is hot, and it's easy to fly," Colonel Holloway said. "The P-80 is so smooth and quiet that you can talk in a normal voice with the engine going full blast. What impressed me most was the absolute lack of vibration. You don't seem to accelerate, but rather have a constantly increasing feeling of power. You roll along and gradually gain flying speed. Best of all, there is absolutely no torque. Flaps help on take-off because you need a much longer run in the P-80 than you do in a P-51, but that's true of any jet-propelled job."

Colonel Holloway again referred to the feeling of great power, which the pilot experiences in the plane driven by this jet engine.

"As soon as the Shooting Star picks up a little speed, you really begin to appreciate the power," he said. "With the constant thrust the jet gives, you still have good acceleration in the higher speed brackets. Once the P-80 is wide open, it seems to float through the air with the greatest of ease. There's absolutely

no sensation of tension or vibration when it's opened up, in direct contrast to any other type of plane."

The AAF journal states further that all pilots who have flown the Lockheed Shooting Star "have been impressed by its flying qualities."

"Warm-up is instantaneous, thrust is available in less than a minute after starting," the journal continues. "Taxiing and landing require certain knacks that an experienced pilot can easily pick up."

Installed in the fuselage of the P-80 Shooting Star between the cockpit and tail, these advanced General Electric engines are far more powerful than any conventional reciprocating engine for aircraft.

The functioning of the jet engine is simple. Air rams into vents in front of the wings of the plane, almost flush with the fuselage. The air flows to the engine, where it is compressed by a swiftly rotating impeller. The air is flushed by the impeller to combustion chambers, where fuel (usually kerosene) burns fiercely.

In the intense heat, the air expands and increases in velocity. The air and gases then pass through a turbine wheel. This turbine is connected by shaft with the impeller. The turbine spins thousands of times a minute at temperatures of 1,500 degrees Fahrenheit and hotter. The blast passes out the jet exhaust at the rear tip of the plane.

These powerful jet engines are in production for the AAF at the General Electric Company's works at Syracuse, N. Y. The G-E Jet also is being manufactured for the AAF by Allison Division of General Motors.

This new jet engine was designed and developed at River Works of General Electric Company at Lynn, Mass., where the first jet engine for the AAF was produced in the United States from British designs.

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