

INTERFRATERNITY BALL THEME SETS MOOD OF SWISS HOLIDAY

First Meeting of Intra-City Collegiate Student Council Held at Clark

On Sunday, November 6 the first meeting of the proposed intra-city student council was held in the Blue Room of Clark University. The purpose of this meeting was to establish an organization which would create better understanding and cooperation among the Worcester area schools.

The meeting was called to order by Bill Southworth, President of the College Council of Clark University at 3:30 P.M. The colleges represented were; Assumption College, Anna Maria College, Becker Junior College, Clark University, Holy Cross College, and Worcester Polytechnic Institute. Worcester State Teachers College and Worcester Junior College were not present at the initial meeting but representatives from these schools will attend all subsequent meetings.

Bill Southworth suggested that the following proposals be put into effect:

1. To meet with the Chamber of Commerce in order to promote better relations with all schools and to publicize the various activities.
2. To put an article in the Worcester paper listing the various college functions each week.

3. Foreign students, chosen from each school, to give speeches about their country for the benefit of interested students and the public.

These proposals were discussed among the colleges present.

It was also suggested that an executive board be elected at the next meeting, composed of a president, vice-president, secretary, and treasurer with no school holding more than one office.

The delegate from Worcester Tech suggested that the problem of student relation with the faculties be investigated, stating that the council should be a sounding board for these individual college problems. Becker College favored this suggestion and also wanted to adopt a standard procedure for all subsequent meetings.

Among other discussions, the following statements were voted upon and passed:

1. Purpose: The Intracollegiate Organization for social, civic, education, and campus cooperation and progress.

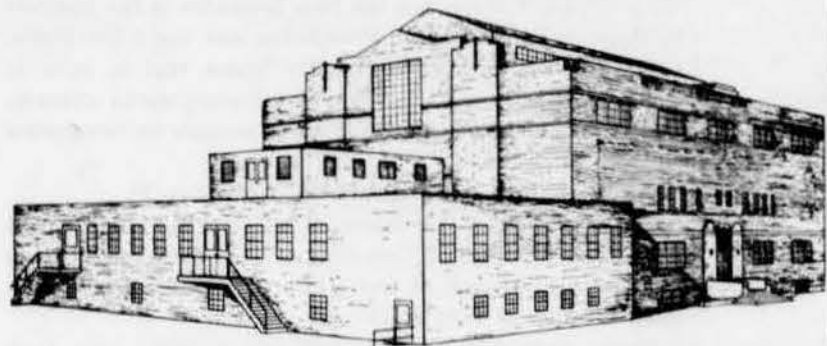
The delegates of this council will suggest solutions to their individual

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GYMNASIUM ADDITION TO BE COMPLETED BY AUGUST 1961

One of the highlights of 1960's Homecoming was the groundbreaking and dedication of the \$350,000 addition to the gymnasium. Philip M. Morgan, Chairman of the Board of Trustees, spaded the first shovelful of earth Saturday noon, at the site of the new addition. Speakers at the ceremony included Philip M. Morgan; Arthur B. Bronwell, President of the Institute; M. Lawrence Price, Dean of the Faculty; and Professor Robert W. Prit-

as possible. It is hoped that the foundation can be laid before freezing weather arrives. Arthur J. Knight, Consultant for Building Planning at Worcester Tech, stated that work will continue as far into the cold season as possible. However, once the temperature drops below thirty-two degrees, it will be impossible to continue outside construction. Work will be picked up again at the beginning of next year and plans call for completion by Au-



gust, 1961. Contract for the project was given to the Frank W. Madigan Construction Company of Worcester.

Looking toward the future, another section will be added to the project now under construction, which will extend farther into the parking lot. This will begin sometime within the next few years.

chard, head of the Department of Physical Education.

The new structure will extend into the parking lot on the left side of Alumni Gym. This addition will provide doctors' offices, coaches', trainers', and officials' rooms, lavatories, varsity lockers, and shower facilities.

Construction, started shortly after Homecoming, has proceeded as rapidly

Tech Research Lab Solves EE Design Problem

Some of the least publicized but probably the most important research work done at WPI is accomplished in a not too impressive yellow, wood-frame building alongside Olin Hall of Physics. The electrical engineering research laboratory under the direction of Prof. William Wadsworth houses over \$50,000 worth of equipment to help solve acoustical and communications problems.

Some of the most important work to date has been in the development of an effective and practical microphone earphone for use in areas of high level noise. This work is particularly directed towards communications aboard jet base carriers, to a lesser degree in the cockpits of our newest and most powerful jets, and in the gantry area of missile bases where the noise level is of the highest known intensity. Work in this field, which originally began in 1955, is being continued under the sponsorship of Worcester's David-Clark Company, who also manufacture the pressure suit worn by the pilot of the famed X-15 airplane. The end result was the invention of a practical muff-type ear protector which combines efficient noise attenuation with fidelity reception from the earpiece. An interesting side result from these experiments has been the development of a first class head-phone for use with hi-fidelity and stereo-fidelity record playing and recording equipment. Professor Wadsworth has been granted a patent for this ear protector and is considered to be a pioneer in this field.

Following naturally from this work is experimentation in the development of a microphone for use in high level noise areas. Although work on this project has been going on for only a few months, the experimenters have developed a revolutionary new microphone which they have termed a "gradient" mike, since it is insensitive to distant noises. A rather inobvious but yet one of the biggest problems these men face is the laboratory simulation of high intensity noise such as that produced by a jet engine.

In their search for an ultimate product they have kept an eye on the future and are doing advanced work in the field of "tissue conductance." This method completely eliminates the problems inherent in air borne speech communication since it is concerned only with the vibrations induced on certain areas of the skull as a result of speaking. A series of energy transformations and amplification produces a completely intelligent sound not unlike ordinary speech. In this field WPI can almost claim to be exclusive.

Other efforts of the EE researchers include the invention of a two way radio-frequency intercom which has the advantages of unlimited terrain coverage, reliability, compactness, and it is non-radiative. The lab also makes many acoustical measurements for industry in the Worcester area and is currently trying to solve the noise problem resulting from the expansion and contraction

SWISS HOLIDAY FEATURES MUSIC OF THE RENOWNED HERBIE WAYNE ORCH.

Herbie Wayne and his orchestra are sure to provide enchanting music which will leave everyone with pleasant memories of this Swiss Holiday. We are fortunate to have his music which has attained great popularity around Boston and has been the feature attraction at many of New England's larger Colleges.

Herbie's unexcelled music, with that "make you want to dance tempo," is always found highly danceable. While providing his velvet smooth music, Herbie Wayne will welcome requests from the dance floor.

During his own college years, Herbie Wayne led the school orchestra and with this began a fabulous career that has been constantly in demand for proms, carnival balls, fraternity and sorority dances, debutante parties and many other social affairs.

If anyone still (and this is beyond comprehension) has any doubts (who is Herbie Wayne?) about this year's fantastic Interfraternity music supplier, they have but to look back to last year's I.F. superama. It was on a Friday night, the fourth of December, that H. W. and his thirteen melody makers bewitched the well attended "After Six" Winter Formal. The smooth music sweetened Penthouse Alden and never stopped, even in Herbie's absence, while he sought out the After Six Queen. Many sophomores have fond memories of this evening, for it was their first formal weekend after being pledged into the various fraternities on the Hill.

Besides being the featured musical attraction at Worcester Tech's Interfraternity Ball for the second consecutive year, Herbie Wayne and his thirteen piece orchestra have also been the main attraction at M.I.T.'s Interfraternity Conference Ball for three years in a row, and has played at the Dartmouth Winter Carnival in Hanover. He has also played at the Army-Navy Ball, Proms at Wellesley, Smith, Radcliffe, Harvard, Brown, the Fall Formal at Princeton, and the spring weekend at Yale.

of aluminum house siding with changes in temperature. The men do extensive transistor audio amplifier design work too. In addition, starting from scratch a circuit for audio analgesia was designed and built. This electrical medicine has found its widest use in the field of dentistry where it has been lauded as a major breakthrough towards painless drilling considering the limitations of drill speeds. The idea behind it is found in a relationship between the senses of pain and hearing. Experimenters have found that certain noises, particularly one that sounds like a waterfall, act as a drug to kill pain when introduced in the patient's ear.

Through the efforts of Prof. Wadsworth, Prof. Richard Beschle, engineer Dick Campbell, and William Arnold, a graduate assistant, most of the work is being accomplished in the Tech EE research laboratories.

Somewhere in the heart of the fabled Swiss Alps, there lies an enchanted valley where a secluded Hoffbrau glows with mysterious excitement. People from miles around are journeying to this magic valley, and the moonlit snow sets a perfect mood for the evening ahead.

Inside the Hoffbrau music fills the entire hall, and the rush of waiters, the dancing and soft lights captures the imagination in a whirl of merry-making and frolic.

The theme of this year's Interfraternity ball, "Swiss Holiday" promises to capture the heart of every young lady and gentleman. The music of Herbie Wayne and his orchestra will begin at nine o'clock, and from that moment Alden Memorial will be transformed into a dream world of dining and dancing. The spell will be highlighted at half-time, when dancing will pause for a moment, and all will gather around Alden stage to hear the crooning of the Dissipated Eight, and the rhythms of one of the area's greatest jazz bands.

Then the moment awaited by everyone will arrive, and the queen of the Interfraternity weekend will be crowned amidst the cheers of her loyal subjects. The night will then spin on, and will certainly end as one of the most memorable evenings to date.

Invitations to the gala festivities are available through IFC representatives.

COMPANIES ISSUE INTERVIEW DATES FOR TECH SENIORS

The Placement Office reminds those concerned that sign up dates for interviews with the companies coming to Tech for recruiting are November 21 and 22. The office will also be open on Wednesday November 23, for those who might not be able to make the earlier dates.

Here is a list of the companies coming from the dates December first to the seventh. This list is correct to date and contains all necessary information, however, if any cancellations or additions do occur to alter the schedule, proper notice will be issued on department bulletin boards.

- Thursday, December 1;
- Scintilla Div. (Bendix Aviation Corp.)
 - Hamilton Standard Div. (United Aircraft Corp.)
 - Philco Corp.
- Friday, December 2;
- Dow Chemical Co.
 - Royal McBee Corp.
 - Socony Mobil Oil Company, Inc.
 - Raytheon Manufacturing Co. 4:30 Group Meeting
 - Bailey Meter Co.
 - Hamilton Standard Div. 2nd Day
- See PLACEMENT NEWS—Page 6**

EDITORIAL PAGE

DESTROYING A TRADITION

In any society, be it highly civilized and enlightened or one tending toward a more primitive state, the idea of vandalism and the destruction of the property of another is severely frowned upon. Then if we consider the Worcester Tech student body to be an entity of social organization, where members are of necessity persons of high intelligence and good breeding, the humiliating shame associated with such acts becomes all the more obvious. One should be able to expect that among men of such caliber, the childishness of such acts would be evident. But evidently it is not.

Last year the intensity of this nonsense reached a shameful and unprecedented peak. The wooden symbols of our honor societies were burned, broken, painted, embedded in concrete, and subjected in general to ill use. These efforts were highlighted with the burning of the huge replica of the Tau Beta Bent.

In an effort to curb this activity, Bill Farnsworth submitted to this newspaper a guest editorial on this subject. Its effect has been felt, but the effect has not been complete. Three times the huge bent has been carried off this fall. Twice it has returned relatively unharmed. Last Saturday night its remains were discovered on Bancroft Hill. Somebody must pay to have it fixed. Somebody will be forced to put in several hours of hard work to restore it to its original form. Assuming that those who took it have at least something in the way of grey matter, surely they can see that they have committed a crime if they will consider these consequences. We hope that they realize that in the eyes of those who may know their identity they have succeeded only in degrading themselves. It would be a severe loss to this campus if the traditions of pledgship to the honor societies were forced into abandonment. If the present attitude continues, they will be.

G. F. F.

RUSHING PRESSURE IS ON

This Friday marks the end of second rush. It is the day on which the freshmen make their final choice of fraternity. This is the final week—the long week that ends two months of rushing. It is the week when the pressure is on

However, it is also the week when every freshman must be objective and not lose sight of what he wants in a fraternity. In light of this, it is appropriate that a few words be directed to the freshman who are about to make their 'big' decision.

The first bit of advice is: do not give in under the final pressure. Keep a cool head, and don't allow a week's heat or pressure to affect a decision that will influence the rest of your college life.

Keep in mind the important things that concern you and a fraternity choice—scholarship, friendship, a good clean homelife, the men in it, and your future development. The rest of your school life will be affected by your decision. Don't let a week or two month's worth of pressure tactics make it for you.

The second bit of advice concerns dirty rushing. Everytime that you allow yourself to be dirty rushed you are doing yourself a disservice and the fraternity system in general a disservice. Do not be swayed by high pressure tactics or dirty rushing. If a house has to resort to dirty rushing, it cannot

have very much to offer. The number of books carried to class for you are a measurement of nothing!

Again, the pressure is on. This is the week when the heat is applied. Don't let the pressure blind you. When you make your decision, sit back and look at the houses objectively. Keep in mind the facts as they are. Let the *Decision Be Yours.*—J. J. G.



THE PRESSURE IS ON

LETTER TO THE EDITOR

TO THE EDITOR:

Rather than replying directly to Mr. Rees and commending him most highly for the content in his guest editorial, "Preparing for Life," it seems more appropriate to use the "News" for this purpose.

It is most gratifying to read such articles in the *TECH* News. It is encouraging also to note that 30% of the student body did indicate an interest in the national election. This group of 30% could be a powerful force in the Tech Community by stimulating an interest along the lines of politics, the arts and other fields. As one of Worcester's Young citizens has said many times, "Politics is everyone's business."

Congratulations Mr. Rees—may you and other interested men have success in fostering the interest you have outlined.

Yours very sincerely,

DAVID E. LLOYD
Business Manager

Campus World

THE RENSSELAER POLYTECHNIC

The annual Frosh issue of the *POLY* will be published next week. Each year the Freshman members of the staff elect junior and senior board men to supervise the making of an edition with virtually no help from the upperclassmen.

Besides giving the upperclassmen a vacation, this enables

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lim Σ CLUB NEWS

ORGANIZATIONAL MEETING FOR W.P.I. SKI CLUB

Anyone interested in recreational or competitive snow skiing is cordially invited to attend the organizational meeting for a ski club to be formed here at Worcester Tech. This meeting will be held in Higgins 109 on Monday evening November 21st beginning at seven o'clock and should be fairly short for the benefit of any who might have exams the next day.

The club will attempt to provide an opportunity for those interested in skiing competition to ski in the New England Intercollegiate Conference. The new skiing area to be developed on nearby Mount Wachusett this coming summer should greatly further interest in recreational skiing in this area. The club will provide for the organization of the skiers here at Tech and should provide an interesting forum for skiing discussion.

A.S.M.E.

Thursday the 10th witnessed the first joint dinner meeting of the Junior and Senior members of A.S.M.E. The dinner held in Morgan Hall was preceded by a field trip on the part of the Junior members. Beginning at 4:00 the field trip consisted of tours of Morgan Construction Company, Reed Rolled Thread and Die Co. and Norton Company. After the meal the joint congregation heard an illustrated speech by Mr. Milton C. Shaw. Shaw a Professor at M.I.T. spoke on the "Machining of Difficult Materials." As a supplement to his talk Professor Shaw showed microscopic movies of a metal being cut. The movies showed the flow of melted metal around

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NOSTALGIA DEPT.

"WAY BACK WHEN"

BY THE OLD TIMER

NOVEMBER 10—NOVEMBER 16, 1930

Sinclair Hall has been dignified by a present from a group of graduate students. A ship's knee, taken from the United States frigate, *Constitution* has been presented to the Institute by these students who all served in the war under Dr. Hollis.

The speaker at today's assembly stated that in spite of Russia's immense area, it was an overpopulated country, worthy of our help, but not yet sound enough for recognition by the United States.

Peddler write-ups are due before November 26.

Claude Schiefel is in charge of the faculty's contribution to the Tech Carnival on December 6. "On that date all those who are lucky enough to crowd into the Gym will be hilariously entertained from eight until ten."

Seventy-four freshmen received and accepted bids from the seven national fraternities on the Hill.

As a regular part of the Sanitary Chemistry course, the senior chemists were making a bacteriological survey of Lake Quinsigamond water. (John Tuthill, in an effort to conserve walking energies, drove his car too close to the water—Chevrolets do not float. It provided a large water sample, however.)

NOVEMBER 10—NOVEMBER 16, 1940

On Monday, November 11, Founders Day was observed

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TECH NEWS

Published Weekly Except for Vacation and Exam Periods During the College Year by

The Tech News Association of the Worcester Polytechnic Institute

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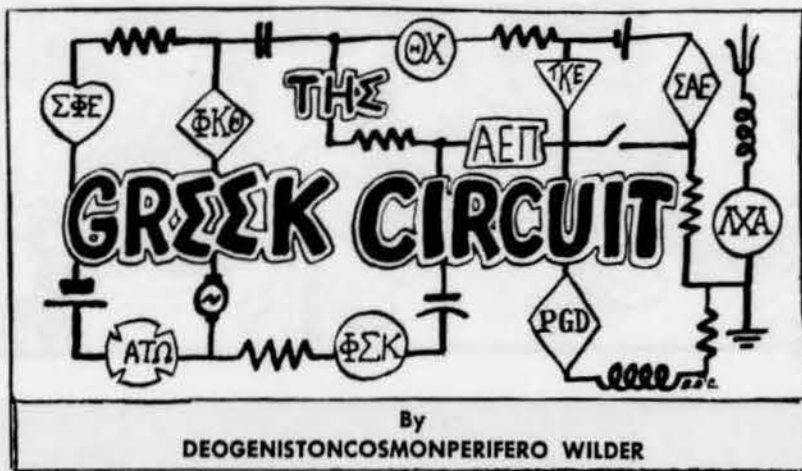
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Editorial PL 7-9971 Advertising PL 2-9946

Subscription per school year, \$4.00; single copies, \$1.50. Make all checks payable to Business Manager. Second-Class postage paid at Worcester, Mass. Editorial and business offices located in Sanford Riley Hall, Worcester Polytechnic Institute, Worcester, Massachusetts. The views expressed in this paper are entirely those of the editorial staff, and in no way reflect the views of Worcester Polytechnic Institute.



By DEOGENISTONCOSMONPERIFERO WILDER

With second rush in full swing tonight, the fall rushing season is rapidly approaching a climax. Friday night will tell the fateful tale. This weekend will see pledge parties and banquets at most of the houses, and possibly even a few renewed acquaintances among the upperclassmen.

The Sig Ep's in anticipation of things to come which require more energy, had a quiet party at the house this past Saturday following the Sophomore Dance. One thing was very obvious; the football season was over, as evidenced by the zeal with which the football

players "worked hard" at getting out of shape. The two months of hard work which they put into training went, for the most part, "down the drain." Also, congratulations to the volleyball team, who, sparked by "Red" Parmelee and Roger Curtis, wound up its regular season with a 9-1 record, and in a tie for first place. All the Brothers look back with fond memories upon the party given by the Kap for the Kingston Trio two Sundays ago, a gathering to which the Sig Eps were invited and heartily enjoyed.

The Tau House was bustling with

activity on Saturday, November 5th. A large number of parents and friends were present at an informal dinner which was given preceding the football game. During the afternoon this number gradually swelled and by the time the game was over there were at least sixty guests in the house. A buffet supper was served at five o'clock. It was agreed that a wonderful time was had by everyone. On the next Saturday some of the Brothers decided to get together and have a cozy little party. Brother Marcy called Morey Hall and got a few girls to come over, for which we all do thank him.

Everything at Theta Chi has been quiet this past week. Much muttering has been heard from several rooms the past few days. It seems the do-it-yourself hi-fi craze has caught on, resulting in many cases of frazzled nerves and tired eyes. It's not at all unusual to find a chem-eng. major begging an EE for help with his wiring! Theta Chi wishes to extend its regards to Joe Faucher for winning the House Scholarship Improvement Award for his marks last year.

This past week at Phi Sig has been one of the amazing revelations due to Ed Mulford's thought provoking theories on psychology and the motivation of mortal man. Ed has so thoroughly snowed so many of the Brothers and

their dates with his expoundings on the what and why of life that he is sometimes referred to as the "Sigmund Freud" of the second deck. The weekend scene was livened up by the osmosis of the group from Einhorn Rd. to Dean St. Another A.E.Pi-Phi Sig mass gathering is now history, but not to be soon forgotten. Even John "I hate girls" Sistare was seen on the move which rates mention due to the irregularity of this particular occurrence. Belated congratulations are extended to Brother Red Beauregard as his Phi Sig jewelry is now resting comfortably on the person of a certain Miss Jan Pinski. Make those cigars El Perfectos, Red.

All quiet at the Kap last weekend, since the Brothers are saving their energy for a bang-up celebration this weekend. A new episode in The Heartthrobs of E. J. Boduch, but this time it's for real. Hearty congratulations are in order to Chip on his pinning Miss Nancy Sherman. After a slight depletion last summer, the ranks of the immobile Brothers are once more filling out to near capacity. Don't laugh, you may be next. Jack Pinski is trying to play the role, now that football is over, but since some old meany sat on his cane, it looks just a little odd. Merl Norcross suggested walking in gutters.

I.H.E.E. SELECTS NEW MEMBERS



The noble order of the I.H.E.E. twice each year is faced with the multitudinous task of descending into the lowly, common herd of the Electrical Engineering Department and of ferreting out certain individuals who have the potential, after much instruction, to measure up to the high fluid and foamy ideals of the organization.

This year the men upon whom this great honor has been bestowed are Robert Gussler, Joseph Carpentiere, Leon Gazoorian, and Robert Thomas. These men may be seen actively supporting all activities and otherwise spending their time learning the history and purposes of the most noble order. The marks of distinction that these men carry as symbols of their superiority over those of the plebian multitudes are: the gloriously decorated can of N.E.B.—the golden brew of delicate bouquet and flavor; the Bible of our noble order written by past president, Brother Thesaurus; and the weapon of purity, body, and flavor—a church key worn around the neck.

The addition of these pledges swells the ranks of the noble order to eleven and insures that there shall not be a great danger of over supply of N.E.B. in the next year. To help insure this, the glorious group is planning its annual trip to Carlings Brewery along with many other activities of an intellectual and idealistic nature.

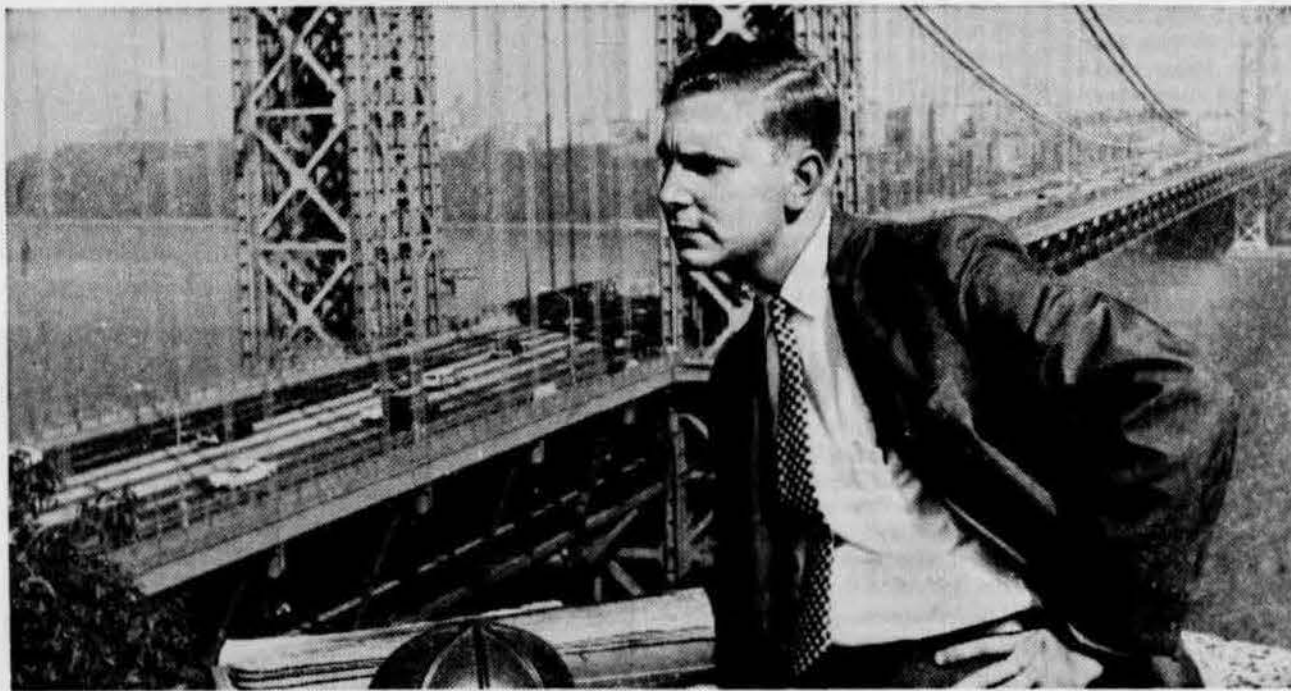
Sophomores' Dance, "Farewell to Fall," Proves Successful

Saturday evening the sophomore class of Worcester Tech presented their annual fall dance "Farewell to Fall" at Alden Memorial Auditorium. The affair was very well attended by many sophomores and freshmen with sprinklings of juniors and seniors. Significantly enough fraternities were very well represented by key men at this function probably due to the fact that rushing is entering into its final stages here at W.P.I.

Perry Conte and his fellow cohorts, widely known throughout Worcester College circles, played music to all the young lovers ranging from a snappy cha cha to a slow fox trot. As usual, cha chas seem to be becoming very popular as evidenced by the many requests to the band and also by the number of young ladies attempting to show the special technique needed to their escorts. One couple was actually so carried away by the new dance that they continued to cha cha to every dance for the remainder of the evening. Such enthusiasm has seldom been received here at Alden Memorial, and is due in no small part to the fine band.

A high spot in the evening was reached when freshman Tony Trippi, an exceptionally gifted musician, was asked to join in with the band on the drums and responded splendidly. Tony, incidentally, has played at many spots here in Worcester and has a promising career in the entertainment field.

The dance committee, headed by President Bill Zinno along with other sophomores, Dennis Snay, Pete Chutoransky, and Bob Murphy, were pleased at the outcome and plan other successful functions such as these in the future.



THIS YOUNG ENGINEER IS ON THE ROAD TO MANAGEMENT

Dick Cotton knew he wanted to take the engineering route into management long before he joined New Jersey Bell Telephone Company. In fact it was his goal when he was working for his engineering degree at Rutgers.

When he graduated, he had his lines out to eleven other companies. He came to New Jersey Bell because: "I didn't feel I was just a number to these people. There was no doubt in my mind that this job would be the best for the long pull."

His first assignment was a tough one. A complex of major telephone cables lay in the path of the approach to the new traffic level of the George Washington Bridge on the Hudson. Dick's job was to find the most practical and economical way to reroute these cables, and at the same time to provide for future telephone growth in the area around the bridge approach.

Dick ironed that one out and got a crack at another tough job.

Next stop: New Jersey Bell Headquarters Engineering Staff, Special Studies Group. Here

Dick was a member of a four-man team whose job was to find ways to eliminate some of the routine work of field engineers to give them "more time to think." Dick also helped plan and control a \$100,000,000 annual telephone construction budget.

Presently, Dick is responsible for telephone equipment engineering projects in the Camden, New Jersey, area.

How does Dick look at it? "This is a growing business. I work with this growth every day. And growth means more room at the top. Of course, I don't figure I'll get there overnight—but on my jobs so far I've had a chance to take a good look at how this business is run. And I think the sky's the limit for a man who really wants to work for it."

If you're a guy who can tackle a tough job and deliver the goods—then you're the kind of man who should find out more about the Bell Companies. Visit your Placement Office for literature and additional information.



"Our number one aim is to have in all management jobs the most vital, intelligent, positive and imaginative men we can possibly find."

FREDERICK R. KAPPEL, President
American Telephone & Telegraph Co.



BELL TELEPHONE COMPANIES



Winning Season Is Forecast for Wrestling Team

For those of you that have been wondering what the loud crashes and the agonizing grunts and groans heard from the gymnasium were, let your questions be answered. It's just the Worcester Tech wrestling club getting ready for another gruelling season.

Official practice for the wrestling team began November 2. However, some spirited freshmen began October 22 at special afternoon sessions. There are some very good freshmen prospects who have had previous experience. They obviously have plenty of interest, which is a good sign for any team.

Returning from last year are:

Heavyweight Tom Conway, 177 pounder Dick Davis, 167 pounder Captain Moe Rees, 157 pounder Charlie Mello, 147 pounder Fred Eitel, 137 pounder Bob Murphy, 130 pounder Frank Marra, and 123 pounder John Lewis.

Back for positions are heavyweight Jack Corvini, 157 pounder Bob Wilder, and 147 pounder Bob Curry.

Last year the wrestling team finished with a 3-5-1 record. Moe Rees and Charlie Mello wrestled in the New England championships. Captain Rees emerged as third in New England in the 157 pound class.

Looking to this year's schedule, coach Ray Scott says, "we wrestle against some high calibre teams but we should have a winning season." The schedule for this year is as follows:

- Dec. 8 Univ. of Mass.—Home
- Dec. 10 Tufts—Away
- Dec. 14 Amherst—Away
- Jan. 12 Univ. of Hartford—Away
- Jan. 18 Coast Guard—Away
- Jan. 24 Springfield—Home
- Feb. 22 Wesleyan—Away
- Feb. 25 Springfield—Away
- Feb. 28 Univ. of Conn.—Home

FROSH BEAT SOPHS 14-0 TO PICK UP TWO POINTS

On Wednesday, October 9, the freshman football team beat the sophomores 14-0 to put the Class of '64 ahead 4-3 in the race for the goats head trophy. The threat of rain didn't dampen class spirit as a good crowd was on hand for the game. After winning the toss, the frosh, counting on their defense to hold the sophs, elected to kick-off. This paid off handsomely for the frosh as they recovered a fumble on the opening kickoff and their offense, directed by Barry Kadets who had never played football until this year took over on the soph 35 yard line. Fullback Ray Schwarz picked up yardage around left end, Kadets went around right end to the ten, and on the fourth play from scrimmage Co-Captain Brian Sinder swept around left end for a touchdown. The try for extra points was stopped cold by the sophs. This quick touchdown greatly boosted the morale of the spirited freshman team and disheartened the sophomores who were bigger but didn't seem to have enough speed to match the freshman halfbacks. The sophs received the kick-off but after a series of plays they were forced to punt. Ralph Bedford, defensive lineman moved in fast to block the punt and the frosh took over in sophomore territory. Kadets threw a long pass to Sinder who was hit hard and fumbled inside the ten yard line. The sophomores recovered, but could not fight their way out. They punted out to their 30 yard line to end the first period.

The freshmen then took to the air as Kadets threw a pass from the 30 to end Stan Kochanek who raced over for the second touchdown. Schwarz went

off tackle for the extra points making the score 14-0. Again the freshmen kicked off. The sophs couldn't get rolling and were once again forced to punt. With time running out Callan intercepted a pass but two plays later the clock ran out.

The sophomores were all fired at the start of the third quarter as they received the kick-off. They picked up several first downs on a fine drive from their 30 to the freshmen 18 sparked by fullback Bill Allanach's 35 yard sweep around left end. Here the freshmen defense tightened up and held for four plays. The freshman then moved up to mid field as halfback Todd Varnum picked up twenty yards around right end. Here the sophs recovered a fumble and took to the air in the closing moments of the third quarter. They couldn't get rolling, however, so they punted to the frosh 20 yard line. Once again Varnum went around right end, this time for thirty yards. Here the sophs dug in and took over. They started a drive picking up a couple of first downs, but Sinder intercepted a pass on the frosh ten and carried it out to the thirty. The sophs recovered a fumble but before they could get rolling, time ran out.

There were several factors which contributed to the frosh victory. The most important were these: the quick opening touchdown, speed, strong defense, and last and most important, the fine job of Bill Farnsworth and Don Lussier who made a spirited team out of a bunch of guys who had never played together before.

Soccermen Whip Hartford 4-1 for Seventh Victory

On Saturday, November 12, while the rest of the casual company did right flank and left flank, the soccer team left in their big yellow and blue bus. The trip was to take them to Hartford, Conn. where, several hours later, they had their seventh and final victory of the year by a 4-1 score. This time the victim was Hartford University. As in previous games, the weatherman pulled some strings and arranged for perfect weather. Although the soccer team would have probably done just as well had it been a muddy season, it should be noted that, unlike last year, none of the games were played in the rain.

The game started at two o'clock with the Tech team playing hard and fast. At the end of the first period it looked like a runaway with Tech ahead 4-0. The first Tech goal was scored by Dick Mixer who broke around his man, the left fullback, and beat the Hartford goalie. Ray Zidziunas then scored his two goals to give Worcester a commanding lead. Both were set up by excellent passes, the second, in particular, being the result of many years experience, was a picture goal. Bob Clark wrapped up the Tech scoring as he booted a free shot, due to a pushing penalty, past the frustrated Hartford goalie. However this was to be the extent of the Tech scoring, as Coach King substituted freely from this point on. This enabled several of the second stringers to pick up valuable experience for next year's season. Although Hartford outplayed

us for some parts of the remaining three periods, it was nevertheless this substitution which kept the scoring down to a minimum. Hartford scored its only goal in the third period on a cross kick which the right winger put in. Also in the third period Tech scored what they thought was their fifth goal, only to have it nullified. It was a corner kick which the Hartford goalie had dropped with the result that it was finally kicked in. However, through some rule which no one could seem to understand, the goal didn't count. Except for the first period, with the Tech regulars in the game, the action see sawed back and forth with several of the players doing yeoman work in protecting the Worcester Tech lead. In the second and fourth periods the team had a sloping field, the wind, and sun all against them, and it was only through the strong efforts of the team that the Hartford attack was repeatedly turned back.

This game finishes the season for the last of the fall sports at Worcester Tech. Although last to finish, the soccer team produced the best record for fall sports. The team's 7-2-1 record is an excellent showing and the best seen at this school since 1935. The highlights of this year will be covered in another article, but the departing seniors—Swang Lee-Alphon, Dave Sorenson, Ray Zidziunas, Art Greene, and Dick Mixer—leave behind them a record to be proud of.

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FALL VARSITY SPORTS TERMINATING AT TECH WITH CREDIBLE RESULTS

King-Men End Season with a 7-2-1 Showing

On Saturday last the soccer team returned a victory from Hartford to draw to a close one of the finest seasons it has known on this campus. The team's record for the year, 7 wins, 1 tie, 2 losses speaks not only well for the abilities of head coach Al King and his assistant coach Jim MacKechnie, but also for the players themselves. If you were to ask coach King what the factor contributing most to this year's success was, he would undoubtedly say "Defense." At the start of the season two men who had played well in past years, Bobby Clark and Swang Lee-Alphon were moved from their forward positions to defense in order to make a solid defense. There were of course other men who aided greatly to this year's defensive strength. Old veterans like Art Greene and Dave Sorenson who the team will surely miss when they graduate next spring; and underclassmen such as Dave Goodman and John Pitts who should fill the holes along with some greatly improved players, for example, Steve Osterling and John Rupprecht, also did their share in the defensive unit. No mention of the defense can be made however without eventually considering the goalie. This year Tech had one of the finest goalies, and a Freshman at that. Tom Ganley with his agile movements and booming kicks has been and should continue to be a boon to Tech in the goal.

Another factor that helped Tech this year was the weather and the playing conditions. For the most part this year the games were played in sunshine and on dry fields. This type of playing condition is favorable to a team like Tech's that for the most part contains no individual stars but tends more to get its strength from good teamwork and co-operation. An excellent example of this was the game with Lowell Tech that W.P.I. won 4-0. The Lowell team admittedly had more individual stars than Tech but their lack of team play could not hold up to coach King's well schooled unit.

The squad's fine physical conditioning undoubtedly contributed to its overall proficiency along with the fact that none of the starting players suffered any serious injuries. While we're mentioning starting players it is interesting

See SOCCER—Column 4

TECH'S HARD LUCK TEAM HAD GOOD POINTS

Last Saturday, November 5, the Worcester Tech football team closed out one of its worst seasons on record in ten years. It is the general opinion of those who knew the team, however, that this was one of the scrappiest, fighting young squads that Professor Bob Pritchard has ever coached. This spirit and determination was exhibited time and again this season and at times it could be felt by the spectators themselves. Here was a young club, lacking depth on the line and speed in the backfield, with only five seniors out of seven lettermen returning to bulwark the squad. These five seniors proved to be inspirations to the younger players and it was many an occasion that the team rose to the heights behind these men. The 1-6 record of this past 1960 season gives no indication of the ability of the men of the Crimson and Grey, nor of the pure heart that they were made of.

Many things can be said about the "Hard Luck Team," as it was called by New England sportswriters, but it would be best first to point out that five good men, whose assistance was of the utmost value this year played their final game for Worcester Tech last Saturday. These five are well known, for they have been extolled time and again this year, by a grateful coach.

Co-captains Morgan "Moe" Rees of Kingston, Penna., and Paul Sledzik of Webster, Mass., have been two of Pritchard's finest performers these last four years. Both have earned their Varsity letters from way back in their freshmen years when they played regularly and played well. It is significant to mention these two together for they are not only co-captains but are the closest of friends, and playing respectively at left end and left tackle for the past four years, they developed into a fearsome combination that opened holes on offense as quickly as they blocked them up on defense. It was this fearsome duo that helped build the respect that Worcester Tech lines hold in New England football and it was their aggressive play that helped mold this year's line into the fierce congregation that it was.

Quarterback Fred Duval of Cromwell, Conn. is by far one of the most versatile athletes ever to perform on the gridiron at Worcester Tech. Fred finished eight years of football last Saturday and it can be said that in these eight years, at Worcester Tech and

See FOOTBALL—Column 4

Tech Harriers End '60 Season With 4-5 Record

This year's Cross Country team, under the excellent coaching of Frank Sanella has shown marked improvement over last year's record. Though this year's standing was 4-5, many of the losses were close, with our victories being by wide margins. With the exceptions of Northeastern and Wesleyan, which have some of the top runners in New England, the squad improved its score over each 1959 tally. There were also three J.V. meets this year, with Tech proving victorious in all three.

This year's squad surprised many of its opponents. Its first victory was an easy one against Brandeis. The following Saturday, before the big Homecoming crowd, W.P.I.'s harriers defeated the Central College of Connecticut squad, which was confident after last year's perfect victory, 23½-31½. They then journeyed to Tufts determined to run their opponents into the ground and were not disappointed. The final victory of the season was another away meet with University of Hartford.

The prospects for next year look very bright. The squad will however miss the fine performances of the co-captains, Tom Pantages, and Joe Carpentiere. There is only one junior, Carmine Carosella, returning for his fourth season next year. But some of this year's best performances have been turned in by the sophomores and freshmen. The sophomores who often appeared on the score sheet, were Roger Maddocks, Allen Hoffman, and Roger Flood. From the freshman class there are many fine runners, including Jerry McGee, David Monks, Kevin Casey, and Paul Keating. Those also showing great promise are John Apostolos, John Ryder, Dick Cox, and John Bradley. If they can live up to the president set this year, Worcester Tech's Cross Country team will be in fine shape for many years to come.

SOCCER—From Column 1

to note that among the members of the squad that are leaving this year Zidziunas and Lee-Alphon have started every game for the last four years and Dick Mixer every game for the last three years.

One cannot review the soccer season this year without making some reference to the spirit of the team. Without doubt the greatest show of spirit and determination occurred in the game with Coast Guard. As we all know now, Coast Guard was heavily favored to win this game, however no one at the time bothered to tell the Tech booters or at any rate if they did it didn't seem to bother them as they held Coast Guard scoreless for the four periods of the regulation game and two five minute overtime periods to return a moral victory if nothing else.

Now that the season has drawn to a successful close it is only natural that we curiously take a peek at what next year may hold for the team. With the loss of such stalwarts as Dick Mixer, Swang Lee-Alphon and Tony Zidziunas the center of the forward wall will be filled with gaping voids; however men like Bobby Clark, Bob Richmond, and John Merigian have shown this year that they may be counted on to fill the seniors shoes. Things look especially good for the future in the freshman class where there are 8 to 10 men with good potential. In the one game that the these fellows played together they won 2-1 against the Assumption varsity. All in all those people affiliated with the soccer team this year can be proud of a job well done this fall.

FOOTBALL—From Column 2

previously, Duval made a name for himself. He will long be remembered here on Boynton Hill for the calm poise that he exhibited in the heat of games. His accurate "clutch" passing and his directing of the team from the helm was always a thrill to watch. Like Moe Rees and Paul Sledzik, Fred Duval's spirit was contagious, it spread to those around him and helped to make Worcester Tech a respected football power for the last four years.

Bill Calder of East Braintree, Mass., more affectionately dubbed "W.D. III" by assistant coach Merl Norcross, was plagued with injuries this year, but was still able to play in a majority of the games. Bill's hustling spirit and his excellent performance at the center of the line was a key to the fine line play. His ability at defensive linebacker was an outstanding factor in this year's strong defense.

George Yule, of Cromwell, Conn., was a dependable stalwart of the Worcester Tech line. George earned his letter in his freshman year, an indication of his ability, and went on to become a steady man on the team. One of the squad's biggest men, George

played tackle at one time but he did his best at the end position and it was there that he teamed up with Fred Duval, this year to get the first down when it was needed.

The above five men were outstanding in Tech football for the past four years. The friends and memories that they will leave on this campus will always serve to place them among the list of memorables on Boynton Hill. They will join the ranks of those who have gone before them, men like Paul Kerrigan, Stew Staples, Stan Graveline, Joe Bronzino and many others. We wish the five seniors of this year the best of success in everything for they surely deserve it.

The question now is, what can Prof. Pritchard look forward to in the coming seasons. Probably the overwhelming opinion of all who are concerned with the team is that the future for Worcester Tech football is very bright. One of the contributing factors to the record this year was the lack of experience, the mental mistakes made by men who are not yet accustomed to the pressure of college football. This at times was a dulling factor in the team's performance but the desire and the spirit shown by these men was more than enough to show that they were good football players, men who could be heavily counted upon when the chips were down. This was shown to the spectators at Alumni field quite a few times when a fiercely charging Tech line reared up to stop the opposition at the goal line. These magnificent goal line stands were remarkable in that most of them occurred in the final moments of nip and tuck contests where Tech was behind in the scoring column but could still win the game. It can be safely said that if this line composed mostly of lower classmen could perform feats of that type while they were behind, then watch out for them when they start winning, and win they will!

Future years hold bright promise for the following men, Ken Olsen, Bob Maynard, Bill Shields, Dick Ryczek, Paul Vajcovec, Dan Gorman, and Ron Gemma. Ken Olsen and Bob Maynard, Tech's two starting sophomore guards stepped into the vacancies left from 1959 and proved themselves in a big way. Smaller than most guards they played against, their ability and determination enabled them to turn in a fine performance at each game. The latter five names mentioned should be remembered, for these men played inspiringly all season and it is most probable that they will do so for another three years. Ryczek, Shields and Vajcovec were a formidable trio on defense at the end, tackle and middle linebacker positions, respectively. Gorman and Gemma, a guard-tackle and a halfback saw limited action until the latter part of the season when they also proved themselves. These men along with a host of juniors,

See FOOTBALL—Page 6

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CLUB NEWS—From Page 2

the cutting tool. It also showed the various effects on chipping caused by differences in rake angle and lubricants. The affair was attended by some 80 men.

AUTO CLUB

The Tech Auto Club met Monday Nov. 6 at 7:00 P.M. in Higgins 109. Several committee heads were selected to get such activities as the experimental car, the auto show and other programs on the way. New members and prospective members were urged to indicate which committee they preferred to work on. The business meeting was followed by a program entitled "Ram Turning," a talk conducted by Ed Wozniak and Jim Wagner. The program was followed by a discussion period with the speakers.

President Dana Wilcok announced that the next meeting will be Nov. 21 at 7:00 P.M. in Higgins 109.

STUDENT GOVT.—From Page 1

administrations and try to aid in solving their campus problems.

2. It was suggested that one delegate be chosen from each school with no alternate and to require him to attend all meetings. The president of each college council will submit a list of delegates from his school in order to inform the students of the various colleges who their representatives are at this council.

Worcester Tech suggested that each school have three representatives in order to have one present at all times, that one of the representatives shall automatically be the president of his respective student council and that each school shall have one vote.

Anna Maria added an amendment that the president of each student council be an automatic representative and that the remaining two members be left to the discretion of the student governing bodies.

3. Holy Cross motioned to appoint Bill Southworth as President protem—all were in favor.

The next meeting of the council will be held at Holy Cross at their cordial invitation on Sunday, November 20, at 2 P.M.

PLACEMENT NEWS—From Page 1

Monday, December 5;

Monsanto Chemical Co.
Raytheon Manufacturing Co.
Bethlehem Steel Co., Inc.
Union Carbide Chemicals Co.

Tuesday, December 6;

Worthington Corp.
Grumman Aircraft Engineering Corp.
Monsanto Chemical Corp. 2nd Day
Raytheon Manufacturing Co. 2nd Day
Bethlehem Steel Co., Inc.

Wednesday, December 7;

Sylvania Electric Products, Inc.
Fafnir Bearing Co.
Public Service Electric and Gas Co.
The Atlantic Refining Co.
U. S. Naval Research Laboratory

FOOTBALL—From Page 5

sophomores and freshmen will be out next year to play alongside men like Jack Pisinski, Pete Martin, Jack Ridick, Bob Grenier, Mike Littizio and Ralph Johannson, in hopes of starting another skein of winning seasons.

"WAY BACK WHEN"—From Page 2

at Tech. This was in commemoration of the opening of Worcester Polytechnic Institute which took place on November 11, 1868.

The music committee for the Interfraternal Ball has booked Claude Thornhill and his orchestra for the dance to be held December 20.

To the outside world November 11 may be Armistice Day, but to Tech men it fell on November 19; for on that day was held a joint Sophomore-Freshman "Peace Party" (dance) which marked the end of their traditional hostilities.

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Tech Senate Joins Intra-City Student Government Group

At a recent meeting of the Tech Senate a motion was made and passed that Tech join an intra-city student government group which is being started by the eight Worcester area colleges. Membership in the intra-city council obligates Tech in no way. Tech can participate in only those programs that its own Senate approves. Each school shall be represented by three men with one vote between them. The President of the student body shall automatically be included as one of the delegates, with the other two picked at the discretion of the school concerned. A motion was made and passed that the other two members be the secretary-treasurer and a man chosen at large from one of the middle two classes. Therefore, the delegates will be Dick Adler, President of the Senate; Vic Castellani, Secretary-Treasurer; and Dick DiBuono, member chosen at large.

Again the Senate discussed the problem of Freshman hazing. Some of the questions put forth include; how to promote greater and longer lasting spirit?, how important is physical contact?, and how can we revise the program and still keep Tech's traditions alive. A committee consisting of Brad Hosmer, Paul Sharon, Bill Zinno, Bill Allanach, and Duke Gale will see what changes if any could be made in the program.

On Monday, November 7, several members of the Senate had lunch with President Bronwell and a few members of the faculty, to discuss the Student Forum Program. Many new topics were suggested for future Forums. Professor Onorato will help advise a committee of Vic Castellani, Dick DiBuono, Bill Allanach, and John Greenlie.

CAMPUS WORLD—From Page 2

The Frosh to better understand the workings of the paper.

THE TECH

The Campbell Soup Company has awarded a \$1,000,000 unrestricted grant to MIT, the largest such grant ever made to the Institute by an industrial company.

Although expressing a special interest in the schools of Industrial Management and the new Life Sciences, the company said that it felt it would be in the best interest of the school that the funds be used at the discretion of the Institute.

Dr. James R. Killian, Jr., Chairman of the MIT Corporation noted, "This sets an exceedingly important precedent and represents the thoughtful understanding of the Campbell directors of the great need for flexible funds in building strength in a university."

THE SPRINGFIELD STUDENT

The 1961 Summer Session Program to beautiful University of Hawaii in Honolulu, Hawaii, is now open for enrollment. Dr. Robert E. Cralle, Director, University Study Tour to Hawaii, announced.

Summer Session in Hawaii offers an unusual opportunity for students and teachers to enjoy a wonderful summer vacation of travel, study and Island fun.

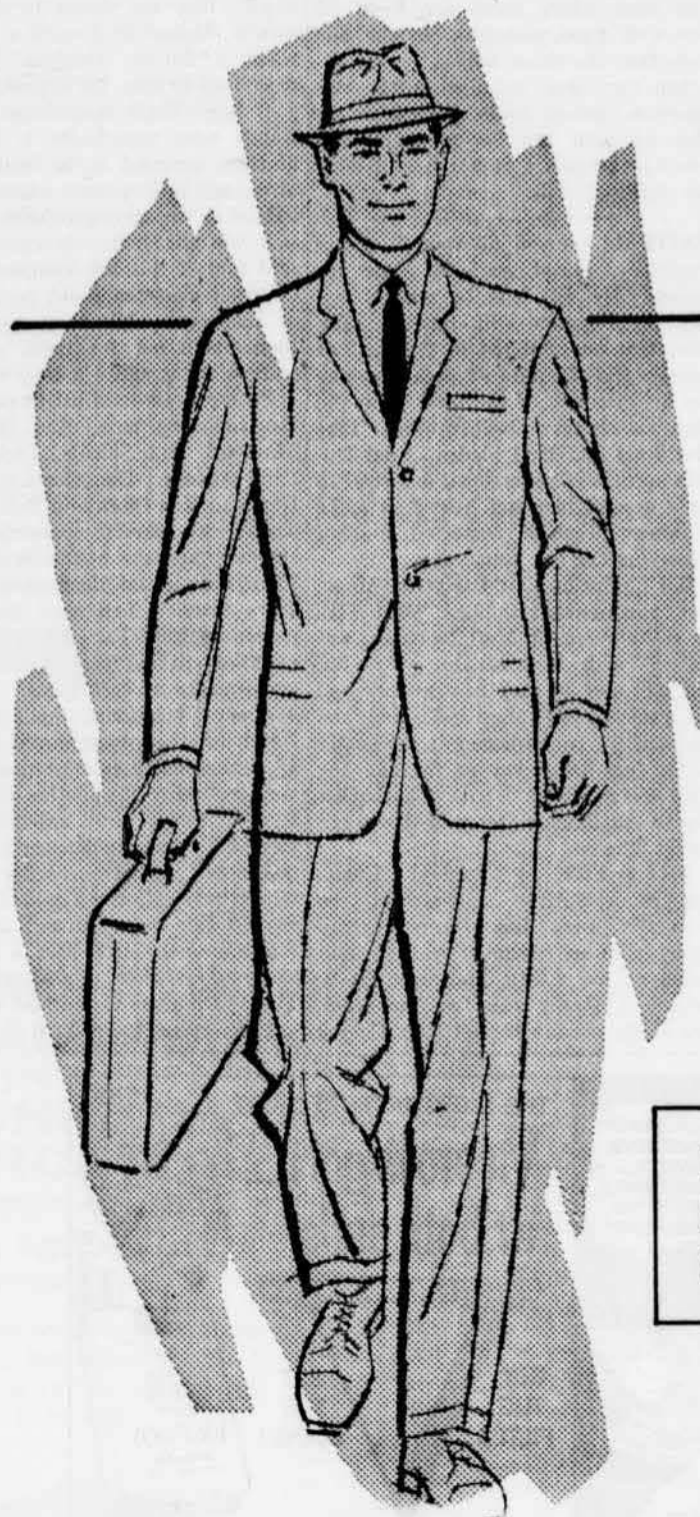
A full 6 weeks (45 days) Program rates start from as little as \$555 for students and \$569 for teachers and include: round trip transportation by major air and steamship lines, Waikiki Beach hotel and hotel-dormitory accommodations, Island sight-seeing trips, colorful Hawaiian social and leisure functions . . . 22 exciting events in all. Transportation from the campus to living accommodations is also a free service of the Program.

Over 215 courses in 39 fields are offered in the Summer Session's curriculum, taught by a distinguished visiting faculty from Europe, the Orient and the United States. Cost of the Program is tax deductible. Dr. Cralle states, when teachers are earning in-service requirements for professional advancement.

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