

'56 SIGNS LES ELGART

Bronwell Received At Assembly With A Standing Ovation

Vocal Duet Entertains

The student body met newly appointed President Arthur B. Bronwell in an assembly held last Wednesday, February 16. President Bronwell, who was greeted with a standing ovation at his entrance, told the students that he liked the friendly atmosphere which prevails here at Tech. He further commented that he hoped the ensuing semester would be profitable for the students and all concerned.



In a later interview, he said that at present he would be concerned mainly with getting better acquainted with the faculty and the time honored traditions of Tech.

Second on the assembly bill were Herb and Betty Warner. For the next forty minutes the auditorium resounded with songs from the repertoire of this versatile duo. One of their introductory features was a medley of some of New York's recent musicals including songs from "Guys and Dolls," "Pajama Game," and "South Pacific." Other of their selections included part of the "Don Giovanni" opera score and some of Gershwin's "Porgy and Bess." A humorous calypso from the heart of Trinidad entitled "Happiness" caught the fancy of the men of Tech.

Following these were two American Ballads, "The Blue Tail Fly" with the audience joining in on the choruses, as well as "By The Light of the Silvery Moon."

Readers will be glad to learn that Dr. Wilson who suffered a painful attack of angina on the eleventh of February, is resting at home. In his own words, he is "merely out of circulation for a week or two." A cardiogram taken last Sunday showed that no permanent damage was done and Dr. Wilson will soon be back on the job.

COSMIC RAY RESEARCH AT TECH

Worcester Polytechnic Institute has received a grant of \$2309 for research by Dr. Bernard Hildebrand of 340 Highland street concerning the earth's atmosphere and outer space.

The funds are provided by Research Corporation, New York City. It is a Frederick Gardner Cottrell grant for a project, "Investigation of Primary Cosmic Rays in Nuclear Emulsions."

Primary cosmic rays are charged nuclear masses that are found in the atmosphere. They come from outer space at an enormous speed, according to Dr. Hildebrand. Their origin is a matter of conjecture by scientists, he said, and how they receive their acceleration is unknown.

Nuclear emulsions are merely photographic emulsions, on which a track is left when a charged particle passes through them. From this track, it is possible to determine the properties and nature of the particle.

Scientists are able to get the plates exposed for study by flying them in balloons at heights which may reach 20 miles. Dr. Hildebrand will be furnished exposed plates for his work by the Naval Research Laboratory.

He explained that the Laboratory, Air Force and other government agencies

See COSMIC RAY—Page 4

'55 PEDDLER CAMPAIGN TO BE LAUNCHED

The usual display of fun and laughter will accompany the annual Peddler assembly to be held on Wednesday, March 2, 1955. Every year the staff of the Peddler takes over an assembly period with the aim of convincing the student body that the yearbook is worthy of everyone's support. The members of the staff will put on a humorous skit this year, and although they refuse to let out much information on the affair, it has leaked out that Don Oliver is the idea man behind it all.

This assembly will touch off Peddler Week during which time the book will go on sale for the first time this year. It will cost five dollars if purchased during Peddler Week (March 2—March 9). After this time the purchase price will be increased to six dollars. A one dollar deposit is all that will be necessary to order a copy.

The staff is also pointing out that the 1954 Yearbook was completely sold-out, and this year the total enrollment is much higher than last year's. There is little doubt about it . . . five dollars for the new-improved 1955 Peddler is a bargain . . . while the book lasts!

ELECTIONS

Elections of the leaders of next year's Peddler staff were carried out last Friday afternoon in Boynton-19. The results of the final tabulation were as follows: Editor in Chief, Bernard Danti of Springfield, Mass.; Managing Editor, Edwin Coghlin of Worcester; Copy Editor, Richard Emery of Athol, Mass.; Photography Editor, John Waskiewicz of Baldwinville, Mass.; Business Manager, Thomas Weber of Ridgewood, New Jersey; and Advertising Manager, Donald Olsen of Worcester.

Sophisticated Swing Will Be The Thing

MASQUE TO PRESENT HAPPY TIME

Nineteen fifty-five is a year of change at Tech. With the notable differences in schedules and administration come new ideas in the extra-curricular fields. The Masque, after these many years of submission to the withered social outlook prevalent at Tech, has decided to take great strides in an effort to overcome this situation.

This year the Masque is proud to present "The Happy Time." It is of interest to note that the play, by Taylor, was the only non-musical Rogers and Hammerstein ever attempted on Broadway. It was received with widespread acclaim and success not only because of its effervescent humor but due to the warmth and meaning of its writing.

The party involves no complicated plots nor superhuman situations, but dwells merely, on the day to day life of a French Canadian family. Its tremendous success lies in its portfolio of characters that vibrate with live humor. Louis "of the watercooler," Desmond "the traveling salesman," and Bibi, whose presence adds the warmth and realness to the play, are all names that impart the tone of humor to be expected.

We hope this play, directed by Prof. Hollows, as a first of its kind will be duly supported by Tech students. The play itself is a proven success; it is up to the student body to make it accepted in the light it should be at the Institute.

"Hot as a fire-cracker!" is the answer that the band promoter gave to an advance party when they queried him on the possibility of having Les Elgart for the Junior Prom this year. He followed this statement up with a barrage of bands: Marterie, Flanagan, the Commanders, Ellington, etc., and even Joni James; all of which would have made for a nice prom, but this little sturdy group of pioneers were so determined that they induced him to at least give Elgart a try. Perhaps if he heard the name Worcester Polytechnic Institute, they thought, he would alter his trip schedule to accommodate us. Perhaps if he knew the desire each and every Junior had to make this year's prom "it," perhaps if he knew of the big crowd of happy people that would be there to enjoy his music, perhaps then he would want to come. And apparently, that is just what happened because we have Les Elgart for this year's Junior Prom, on April 22nd! Incidentally, speaking of a big crowd of happy people, Les Elgart's tremendous appeal is already so apparent that a limit is being set as to the number of tickets that will be available.



LES ELGART

As soon as the news that Les had signed reached the TECH NEWS office, Louie and myself were dispatched to Virginia Beach where Les was playing at the Surf Club. We wanted to see what he had to say about the coming engagement and also wanted to know a little of the band's history. We landed at Municipal Airport about 2:00 P.M. on February 4th, which was a Friday during our mid-semester recess. And what a weekend we had!

Three of our alumni brothers are keeping bachelors' quarters there. The three Chem Engine grads are working for the Virginia Glass Blowing Corporation. They did a good job fixing us up for the dance and the five of us couples really enjoyed ourselves. During the intermish, Les, Louie, and I went over to the bar for a few suds and we talked about the coming gala event. At this point, I became convinced that we couldn't do better than Les Elgart. He plays for our type people. To illustrate this, he started talking about his album, "Sophisticated Swing." You know, that's the one with "The Gang that Sang Heart of My Heart," "The Turtle Walk," "Gironimo," "Bendix Bounce," and so on. The album is a collection of

See LES ELGART—Page 4

SUMMER TRAINING CAMP JUNE 25

The 1955 Signal Corps ROTC Summer Camp will be conducted at Camp Gordon, Georgia, from 25 June to 5 August 1955. About 750 cadets, including approximately 41 from WPI, are expected to attend the summer training period. Twelve of the Tech men will be commissioned at the close of the camp.

Present plans call for three cadet companies in which the cadets will be assigned alphabetically. This system of assignment is to broaden experience by association with the students and instructors from other institutions, and it also will afford an opportunity to set up an unbiased student rating system. As in the past, cadets will be rotated in command positions within the student organizations and will be given every opportunity to exercise command and supervisory responsibilities during field training and other group exercises.

Army Aviation

Because of the increased requirement for light aircraft in the Army, many opportunities are available to ROTC graduates to qualify as pilots. Some of these opportunities are as follows:

Army ROTC graduates who enroll for

Army Aviation training are first required to attend the basic course of instruction at the school of the arm or service in which they are commissioned. Upon completion of this instruction, they are sent to San Marcos, Texas, and Camp Rucker, Alabama, for their flying training. This procedure has two advantages:

- (1) The basic branch training will be invaluable to the ROTC graduates in accomplishing their missions as pilots in support of ground forces.
- (2) If these officers should be eliminated from flight training, they will have the basic branch qualification to continue their service in the branch in which they were originally commissioned.

When qualified Army Aviators revert to inactive duty status, they are authorized to:

- (1) Fly a total of 80 hours per year at government expense.
- (2) Accomplish the 80 flying hours in their own aircraft, or in the airplanes of any civilian school approved by the Civil Aeronautics Administration, as well as in Army or National Guard aircraft.
- (3) Use Army Aircraft for additional flying during summer camps.

Second Lieutenants receive an addi-

tional \$100.00 per month incentive pay while on active duty.

Under present regulations, only those ROTC graduates who volunteer to remain on active duty for three years, instead of the two years required, can be considered for flight training.

The MS Department can answer any of your questions on this matter.

Basic Officers' Course

Information has been received from the Office of the Chief Signal Officer, (OC SigO), Washington, D.C., that the Basic Officers' Course, which must be attended by all ROTC cadets commissioned in the Signal Corps as their first duty assignment, has been reduced from nineteen weeks to nine weeks. The first four weeks will cover common subjects and the remainder will cover essentially Signal Corps subjects. This sequence is reversed for Regular Army officers so that they may be in the best possible physical condition for the prescribed ranger or airborne training which they are now required to pursue.

It may also be interesting to know that beginning in May 1954, the OC SigO has been maintaining a file on the relative standing of each Signal Corps

See SUMMER CAMP—Page 4

TECH NEWS

Published Weekly During the College Year by
The Tech News Association of the Worcester Polytechnic Institute
EDITOR-IN-CHIEF: Anthony Scancelli

EDITORIAL STAFF:

Managing EditorRichard Emery
News EditorFrederick Lindsey
Copy EditorRobert Foisie
Sports EditorLawrence Horrigan
Feature EditorRobert Beaudet
Junior EditorsRichard Crook
Richard Deluca
Brian Kelly
Richard Lucey
Donald McNamara
Donald Grenier
Roland Ledoux
Robert Schultz
Bernard Danti
Robert Delahunt
Charles Tyson

Reporters

Kevin Joyce
George Strom
John Hoban
Donald Girard
Richard Barlow

Photographers

Steve Gardella
Jack Daly

BUSINESS STAFF:

Business ManagerEdouard Bouvier
Advertising ManagerThomas Weber
Circulation ManagerRichard Hajec
Assist. Circulation ManagerJohn Nash
Business Assistants:
Robert JuniorJohn Bandarra
George MatareseRichard Barlow
Robert BeckettRobert Purple
Robert KaulbachGeorge Long

FACULTY ADVISER: Professor Frederick J. Sanger

News Phones: Business (PL. 6-3032) Editorial (PL. 3-1411 Ext. 245)
PL. 7-9971

Subscription per school year, \$2.00; single copies, \$.10. Make all checks payable to Business Manager. Entered as second class matter, September 21, 1910, at the Post Office in Worcester, Mass., under the Act of March 3, 1879. Editorial and business offices located in the Alden Memorial, Worcester Polytechnic Institute, Worcester, Massachusetts.

WELCOME!

On behalf of the students of WPI the Editors and Staff of the TECH NEWS extend their heartiest welcome to our new president and his wife. President Bronwell is stepping into a position which has been vacant for nearly a year and we truly hope that we can be of service to him in any way which he might wish. His past record as a teacher and an executive shows him to be capable and enthusiastic in all his undertakings. In performing his new duties we know that the students will give him their full support in keeping with Tech's longstanding tradition of student-faculty co-operation.

IT'S YOUR PAPER

As you all know the TECH NEWS is now under new management. The new editors would like to invite the readers to participate in the "letters to the editor" column; if you have any special interests why not write about them? We feel that the TECH NEWS is a students' paper, the purpose of which is to present the best coverage available on matters which will directly or indirectly concern Tech men.

The staff sincerely hopes that we shall be able to continue in the manner of our predecessors. We shall do our best to provide a diversified and interesting paper which will appeal to all and keep everyone well informed.

THE '55 PEDDLER

The time of year has come again. Soon all over the campus you will be reading signs, being pushed by high pressure salesmen and attending assemblies which are all part of a concentrated effort to sell the publication known as the '55 Peddler. Many students will simply dig down into their well worn pockets and come up with the necessary cash to order their Peddlers, but there are others who will say, "I can't afford it" or "What do I want to buy a yearbook for?" To these few who will offer resistance to the campaign, we would like to offer a few reasons for purchasing the yearbook.

The Peddler, as you all know, offers a complete record of events for the school year. This record, mostly in picture form, is one to which you will often want to refer when your days at Tech have been completed. Many may scoff and say, "When I get through I'll really be through," but we are sure that you won't actually feel that way five or even ten years from now. There are occurrences and memories that will be happily brought back to mind by a picture or a phrase which you may read in the book. So that you won't be cheated out of these memories we urge you to buy your '55 Peddler.

Then too there is the question of finance—shortage of cash is all too prevalent here at Tech. If you know now that you wish to buy a Peddler, but you just haven't got the money, we suggest a plan for your consideration. Get some sort of container and start saving your nickels and pennies. Childish you say, but it is really amazing how those coppers seem to multiply, and before you know it, you too will have the five dollars necessary to buy the Peddler. Besides, all you need to order your copy is the sum of one dollar, the remaining four being payable when you receive your book; so things aren't really so rough.

The '55 Peddler is certain to be one of the best ever published, so be sure to order yours.

A.V.S.



Who said the Greeks are dead!? This is the quiet period after finals and before the social season gets into high gear and the seniors start their downhill coast. The next sixteen weeks will bring us everything from I.F. softball to the Junior Prom. This is the season when a young engineer's fancy turns to baseball, track, and Becker. Much to the delight of the fraternities and grief of the Institute most of the students are returning to indulge in the social doings. One of the few not returning is Dan Fisher from Theta Chi who broke a leg while skiing during the vacation. Broken legs seem to be a habit at Theta Chi. It must be that they keep a representative in a hospital to get dates for the brothers on weekends.

SAE has quite a system for arranging parties. Last Friday night the boys were lacking dates so they called up a couple of Becker Dorms. Within minutes their doors were knocked down and a great party was rolling. The men from Humboldt Ave. know how to use their head! But the pledges feel that their party still rates high in the party department.

Among The Greeks

WITH HORATIUS HOBAN

The top of the news from the Tau Lodge finds congratulations in order to Dave and Elsie Bagley on the birth of a daughter, Janice Susan, February 14.

Friday nite was the occasion of the ATO Pledge Class of 1958 Annual Unifraternity Fermented Beverage and Musical Appreciation Soiree. From all reports and unanimous decision of the judges, Roger Morin was voted most likely to carry on the twin ideals of this revered custom. Truly, the gathering was a "smashed" success.

The ski enthusiasts are just now getting over the effects of a rigorous vacation. Reports tell this writer that Dartmouth and Mad River were passable, but North Conway had them all beat. There's still one twitchy Irishman who hasn't gotten over it yet and a chem engine being blackmailed by certain members of Phi Sig. Only Art Lee came through without mishap, along with his famous comment, "Imagine, she had ten cans of grog."

Elections for minor house officers were held last Monday at ATO with Collie Pomeroy being elected assistant treasurer, Dave Penkus as steward, and Art Lee as house manager.

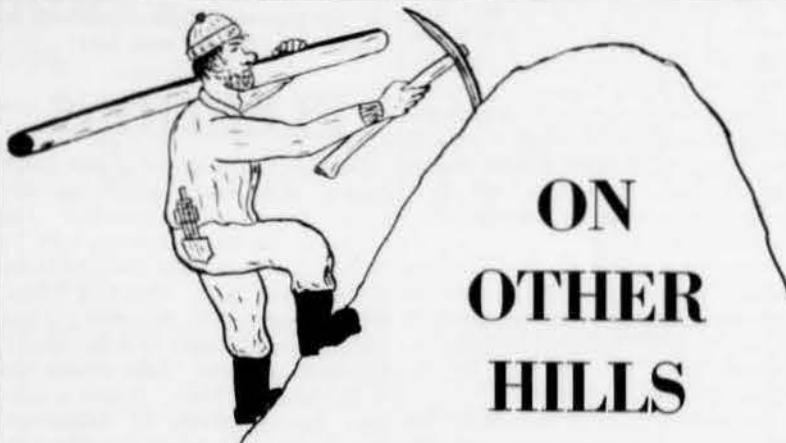
Elections were also held at AEPi recently. The new officers are: Pres. Dave Becker, Vice Pres. Bob Kleid, Treas. Adi Eisenberg; Sec. Steve Quart, Steward Art Nedvin.

A tip of the hat is due to several brothers of AEPi who are working Sats. helping the Bay State Society for the Crippled and Handicapped move into and set up their new quarters.

"Faster Than A Speeding Train" Department; you should have seen Pappy trot away from his car when the auto-bomb that the boys planted went off. He claimed he was running back to the house to get something he forgot, but he was running in the wrong direction.

With second rush now open Theta Kap announced the pledging of Bob Laplume, Bill O'Neil, and Stan Graveline and LCA also pledged three, Bob Lowe, Len Anderson and Jim Johnson. LCA has also initiated to brotherhood Lionel Irving. After the initiation the brothers took off for places unknown to celebrate.

This was a sad week with no engagements or pinnings but we can wait until next week when the big word comes in from the house formals.



By Richard Barlow

What's this? Can it be? Lady engineers at Tech? Yes, it's true, but the Tech isn't Worcester Tech. It seems the female enrollment at the Newark College of Engineering took a sharp rise recently from two to six. The surprising part of it all is that this sudden improvement in the campus scenery was not appreciated by all. One cautious student penned the following warning entitled:

A Word to the Wise

At first they numbered two, lads,
But now they number six.
All full of divers ways, lads,
All full of feminine tricks.
There are giggles in the hallway,
There's light laughter on the stair.
There are smiles around the corner,
So beware, my lads, beware!
Banish curses from your lips, boys,
All those stories quickly smother.
Keep your minds upon your books, boys,
Don't forget the words of Mother.
There are lips as red as roses,
There are cheeks so pink and fair,
There are eyes which have strange power,
So beware, my lads, beware!
You thought you'd left them home boys?
You thought "At school I'm free."
It's my sad task to remind you,
There are GIRLS at N. C. E.

The U. S. S. R. is currently graduating more than twice as many scientists and engineers every year than American institutions. Recently a \$20,000 grant was given to M. I. T. by the Carnegie Corporation to sponsor an investigation into this situation. The Center for International Studies at M. I. T. hopes to discover whether or not the Soviet definition of "scientist" and "engineer" is different from our own. They also hope to determine the caliber of Russian technicians; a noble task, if it can be done.

Attending Santa Clara University this past year was a seventy year old man. It seems his wife has a Ph.D. in Physics and whenever any of her friends came to visit he was always left out of their technical conversations.

The new Editor in Chief of the Cooper Pioneer declared when questioned concerning his plans for the paper, "My goal? Six pages of ads."

A recent issue of the Springfield College publication, the Springfield Student, contained an editorial from which I think we could all benefit. It is titled simply "If a Man is Wise—" and proceeds thus:

Sooner or later, a man, if he is wise,

discovers that college life is a mixture of good days and bad, victory and defeat, give and take.

He learns that it doesn't pay to be a sensitive soul—that he should let some things go over his head like water off a duck's back.

He learns that he who loses his temper usually loses.

He learns that all men have burnt toast for breakfast now and then, and that he shouldn't take the other fellow's grouch too seriously.

He learns that to carry a chip on his shoulder is the easiest way to get into a fight.

He learns that the quickest way to become unpopular is to carry tales and gossip about others.

He learns that it doesn't matter so much who gets the credit so long as the team wins.

He learns that buck passing always turns out to be a boomerang, and it never pays.

He comes to realize that the world

See ON OTHER HILLS—Page 5

HOBBIES, CRAFTS, MODEL RAILROADS, SHIPS & PLANES

HOCK & HOBBY
601 Main Street

NANIGAN'S

Automatic - Laundry

—We wash fluff dry
—Sort and fold your clothes

Now for Better Service
SHIRTS LAUNDERED
AND CLOTHES
DRY CLEANED

We Take Care of
ALL Your Cleaning Needs

115 Highland Street

Telephone PL. 2-4980
ACROSS FROM DINER

Thinking of Marrying a Tech Man?—Better Read This First!

Looking back Mabel thought, "It hasn't been too bad, and I know Joe will like the baby." She lay there half dreaming as the sun walked across the hospital floor.

They had been married on a Monday afternoon as that was the only time Joe didn't have classes at Siwash Tech. She had always dreamed of a big wedding, but she had been satisfied with the simple one that had lasted only two minutes, and the honeymoon that was composed of one night. She felt proud to see her husband go to school the next morning but also a little sad. She knew Joe had to work hard at Siwash, but she didn't know how hard until he came home that night. He said, "Hello dear," kissed her—and that was the last she saw of him until four hours later when he raised his head from what looked like Egyptian hieroglyphics and said, "Dear, may I have a cup of coffee, I still have three hours work to do?" "Oh well," she thought, "my mother told me there would be days like this."

At first she thought if she could study the same subjects perhaps she could talk it over with him and then she would have more time with him. The first book she picked up was something called "Differential Calculus," but after a couple of pages of something called an "Integral and a Differential," she found she was lost. She tried "Electronics," but here it was a potential drop that floored her. "Well," she thought, "maybe I can help him in English," but she soon discovered they didn't teach English at Siwash. The student was supposed to pick that up himself. "Oh well," she thought, "that is why Joe is always making mistakes in grammar, and I have to correct him."

She had always dreamed of a little white cottage with flowers around the walk and a little garden out in back. Their home wasn't exactly like this. The house was brown, the flowers were across the street in the park, and there was no garden. She had always liked plenty of room but there wasn't too much room for people to move around in the one room they were living in on the third floor. She learned to cook on a hot plate, and to get out of Joe's way when he was angry at some professor. She wished she could meet some of them and tell them what she thought of them, but every time they saw one Joe would steer her across the street.

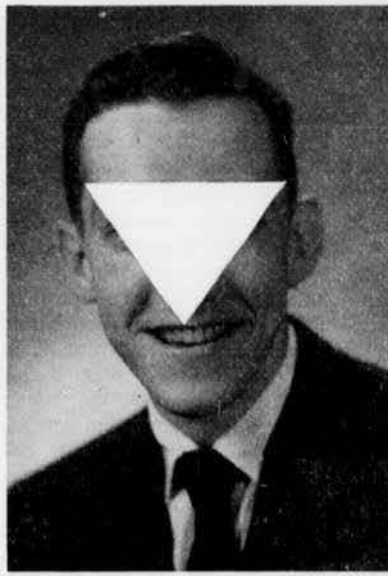
Every once in a while a couple of Joe's fraternity brothers would come over to visit them. There was a fellow who always used to look around their room and say, "Well, Joe, you will never have to worry about your mother-in-law coming to visit." She liked company even when she had to crowd them onto her hope chest, but she wished they would talk about something else besides grids, velocity, and charges on an electron. She thought there was something she could understand when they started to talk about charges but she soon found out they didn't mean the cost of things.

It was pretty hard to work out a budget. The Government check didn't go very far, and Joe didn't want her to work as he said he liked to find her in their home when he arrived after a long day in school. She never knew what time he was coming home as it seemed different every day. She had never seen a school like Siwash.

She didn't know how to tell Joe about

the baby. She tried knitting in front of him but all he said was it looked pretty, and went back to that infernal slide rule of his. She walked him past baby shops, and even handed him a safety pin but all she got was a lecture on how safety pins are made. She finally made him realize when she said, "Joe, we are going to have a little 'T square.'" The dawn broke and Joe blurted, "Poor Masius, another Smith to teach physics to." She thought, "I know he wants a boy." Suddenly the ticking of the clock on the wall made her realize that she had been dreaming.

The nurse brought in the baby who was the image of Joe and put him in Mabel's arms. She heard excited footsteps in the corridor. She was sure it was Joe, and this would be his first look at the baby. This was the moment she had waited for. He came dashing in, crying, "Darling, I just passed my make-up in Descript," and these were the words that lingered in her mind as she drifted off into a fitful sleep filled with T-squares, slide rules, and compasses.



CHESTERFIELD SMILE OF THE WEEK

Whose smile is This? You can win a package of Chesterfields if you can identify the smile when Peter Stephens, Chesterfield campus representative calls on you. If you know the answer and have your own pack of Chesterfields you will win two free packs. Winners will be announced with the next contest.

Dworkin and Brodie To Represent Tech at B.P.I.

This spring Brooklyn Tech brings to a close one hundred years of outstanding service as an educational institution. A celebration will be held which will be highlighted by a weekend seminar. Students from many of the prominent engineering colleges in the east will participate in the program. Our school has received an invitation from Brooklyn Tech to send two representatives to take part in the discussions. In order to select these two students an elimination contest was planned. A committee of judges consisting of six faculty members were named by Dr. Johnson, who acted as chairman. Each of the contestants was required to give a ten minute speech on some aspect of engineering. The students who entered the competition are: Howie Dworkin, Tarek Shawwaf, Bob Brodie, Charley McDonough and Bill Taylor. Some of the topics which were presented by the contestants are: Does a scientific or engineering curriculum inhibit or promote mature responsible citizenship? Are science and technology limited by political pressure? Technical Education Versus Liberal Arts Education. The judges made their selections by secret

DID YOU KNOW . . .

that by the terms of John Boynton's instrument of gift the Institute might have been coeducational, and that no formal action has since been taken to prohibit the admission of women?

No women has ever been enrolled for the regular course, however. There is an unwritten law that none ever shall be. The Institute has enough other problems. In the first decade of the college there were a few women on the campus who served as laboratory assistants. They took special courses in chemistry, languages, and drawing.

One of the four teachers who constituted the original faculty was a woman, Miss Harriet Goodrich, instructor in mathematics. She was succeeded the following year by Miss Marietta S. Fletcher, who taught English, French and German for three years, during

See DID YOU KNOW?—Page 8

Nurse: "I think that college boy in Room 1315 is getting better."

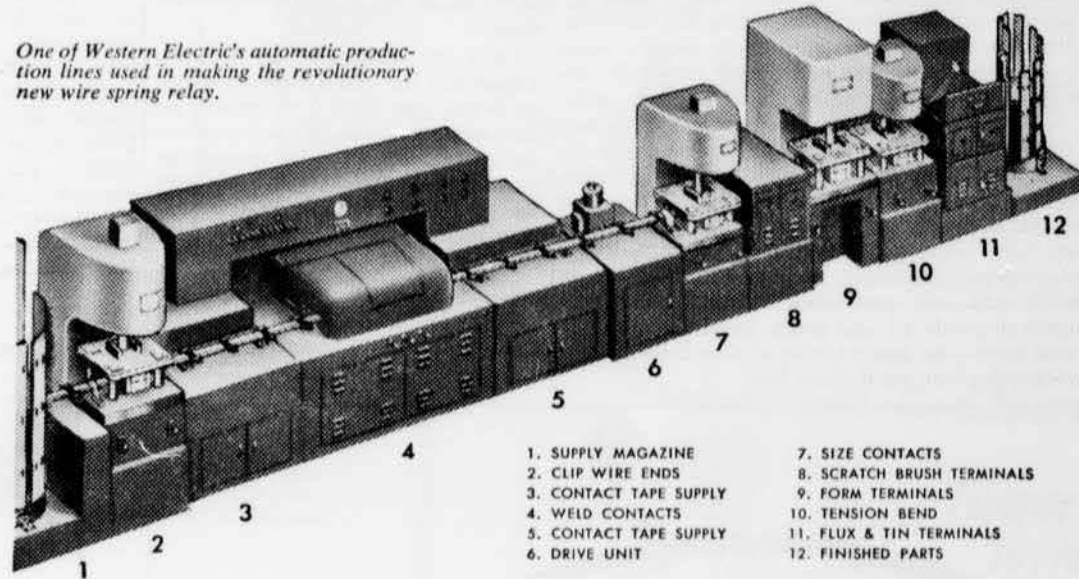
Doctor: "What makes you say that?"

Nurse: "He just tried to blow the foam off his medicine."

ballot. Howie Dworkin and Bob Brodie were chosen unanimously to represent W.P.I. at Brooklyn Tech's centennial celebrations.

AUTOMATION at work A new design becomes a production reality

One of Western Electric's automatic production lines used in making the revolutionary new wire spring relay.



- 1. SUPPLY MAGAZINE
- 2. CLIP WIRE ENDS
- 3. CONTACT TAPE SUPPLY
- 4. WELD CONTACTS
- 5. CONTACT TAPE SUPPLY
- 6. DRIVE UNIT
- 7. SIZE CONTACTS
- 8. SCRATCH BRUSH TERMINALS
- 9. FORM TERMINALS
- 10. TENSION BEND
- 11. FLUX & TIN TERMINALS
- 12. FINISHED PARTS

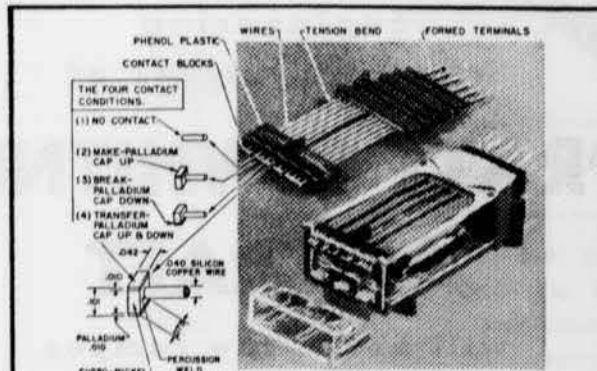
So great was the departure in design of the new Bell System wire spring relay as compared with conventional relays that it posed a major undertaking for development engineers at Western Electric, the manufacturing and supply unit of the Bell System. Indeed, it was an undertaking that called for new machines and new methods because none was available to do the job.

Longer life, higher operating speed, lower power consumption, and lower manufacturing cost were some of the advantages promised by the new relay design. Engineers reasoned that a lower manufacturing cost could be achieved through greater precision in manufacture (which would cut adjustments) and through extensive use of automatic processes.

One of the products of this reasoning is pictured at the top of this page. This battery of equipment, developed by Western Electric product engineers, constitutes one phase of wire spring relay manufacture, which automatically performs several separate operations. Its function begins after one of the fundamental elements of the new relay has been fabricated. This element, known as a "comb," consists of a multiplicity of small diameter wires in parallel array imbedded for part of their length in molded phenol plastic.

These molded elements, of which there are two types used in the new relay, are delivered to this line of machine units in magazines. By fully automatic means they are removed from the magazine, carried by a reciprocating conveyor through each of the several processes and, when completed, placed into another magazine to await further assembly.

Between the first and final magazine the automatic battery of equipment does the following



Single Wire Comb with Percussion Welded Contacts, Wire Spring Relay Designed by Bell Telephone Laboratories

One type of "comb" element is shown at top while a completed wire spring relay is below. The small blocks of metal on the ends of the wires are cut from a composite tape during the automatic multiple percussion welding operation. "Contact conditions" are determined by the code of relay being manufactured and may vary greatly.

operations: clips wire ends, attaches palladium contacts to wire ends by means of percussion welding, sizes contacts, forms terminal, tension bends wires, fluxes and tins terminals.

Most remarkable of all is the fact that this is a precision operation throughout. For example, the small block contacts, which are percussion welded to the tips of wires of one type of "comb," must be located on the same plane across the twelve contact positions to within a tolerance of $\pm .002$ ".

The Heffernan Press

150 Fremont Street, Worcester

Printers to Both Students and Faculty for Forty College Publications

Printers to THE TECH NEWS



LES ELGART—From Page 1
dance numbers originally "picked up" by the very selective college groups.

Elgart leads a modern ensemble that cheerfully reflects the tastes of young dancing America. Modern, as played by Elgart, does not mean the often self-conscious distortion of the progressive bands; it simply means a good solid beat, divorced from the shackles of yesterday's music. The band's two-beat interpretations are conceived for dancing, but its harmonies and counterpoints are aimed at the ears of a musically discriminating and discerning generation.

The sound of the Elgart band is unmistakable. Brother Larry Elgart, one of the country's finest alto saxophonists, leads the sax section with its unusually wide range of dynamics and color; the section can be intimate, as in the number, "Sophisticated Swing" or "Soon" (the latter featuring Larry Elgart); or forceful and swinging, as in "The Gang That Sang Heart of My Heart," or in the Hubie Wheeler original, "The Turtle Walk."

For the first time in many years a band has come along that offers something new, and yet, has a rapport with most of the dancing and listening audiences of America. Les was beginning to get all wrapped up in his discussion when Louie, who had just finished wiping his mouth with his French cuff, told us that the intermission was just about over.

Getting back to our table, we found the band manager sitting with our group and getting along quite well with Louie's date. Killing two birds with one stone, I immediately started this guy off on a history of the band. He didn't have much information about it, however, having only just joined the group in November when they were at Asbury Park, New Jersey. But he did tell us that Les and Larry's mother kept the best records of what the band has been doing since its inception and she also knew each detail of Les' career.

In hopes of finding this information, Louie and I took the girls home early so that we could get a good night's sleep and be on our way early the next morning. We found Mrs. Elgart vacationing

under the hot Florida sun at the Daytona Beach address which Larry had given us. She is a sweet lady and was thrilled to know that her boys are going to play at W.P.I.'s prom because she knows how much they love to play at such affairs. Les' mother, a former concert pianist, had her own conservatory, and helped to teach him, along with his younger brother, Larry, the fundamentals of music. Their father hoped the boys might follow in his footsteps and take over the real estate business he had built. But the field of music had captured them.

With his mother's deep-rooted interest in music, Les had little difficulty in getting his father's blessing for a future in the music world. His first achievement in that direction was made at Pompton Lakes High School in New Jersey, where Les was chosen president of the school orchestra. Although very much involved in this work, the energetic young student made the school baseball team, becoming its top pitcher. Receiving a number of offers to play professional baseball almost swayed his decision regarding a musical career, but his first love won out and he continued his trumpet lessons.

Mrs. Elgart continued with Les' first musical contacts: Bunny Berigan, Charlie Spivak, Harry James, Woody Herman, Hal McIntyre, and Billy Butterfield. During Les' association with these groups he gathered his own ideas on how a band should be built, plus a definite conception of the "sound" it should make. Of course, these ideas changed as "new impressions" were accepted by the public and a fresh approach was conceived by Les. However, he kept pace with the public's wants in popular music, and eventually discovered that his attitudes slightly anticipated theirs. This gave Les confidence—and he always looked forward to the day when he could get the musicians he wanted in order to present his own orchestra to the public, with a fresh and popular style.

However, for Les Elgart it was no long, hard climb to success. He simply played, and people loved his music. It was just a matter of time before everyone got to know him.

Les introduced his orchestra in 1947 by being booked right into the Hotel New Yorker, one of the choice band spots in the country. Following this came Frank Daly's Meadowbrook, The Strand Theatre in New York, and the Glen Island Casino, New York.

The Les Elgart band hit the business with a great reaction, and became popular as soon as they started at the Hotel New Yorker. But, unfortunately, the band business was hit by a recording ban during 1947, and the union barred all members from making records. This restriction lasted for a year, during which time a couple of the band's younger men were called into service. Considering the handicap, Les disbanded, with the intention of getting his band together at a more propitious time. Les then toured the country, playing at most of the big colleges. Then Bermuda, Canada, and Mexico. Late in 1953 the time had come. Les used the same infinite care in the selecting of his men. The group features one of the finest saxophonists in the country, his brother, Larry Elgart. With some magnificent arrangements by Charles Albertine, Les created a band style—Sophisticated Swing—which is now beginning to sweep the nation. Columbia Records, for the first time in many years, became interested in a band, and recorded Les' LP album, suitably titled "Sophisticated Swing." Columbia and Les' agents were so enthused they went all out on promotional effort. The disc jockeys "flipped," and popular music reviewers used superlatives long since laid away. And it is no wonder that the style created by Les Elgart is now "the thing."

Louie and I landed at the Worcester Airport late the night before the semester began, just full of enthusiasm for the dance which is on tap, and we found out that plenty of other people are working hard to make this affair truly one to remember. This is one time when the grass won't be greener on the other side of the fence.

So, on April 22nd, Les Elgart will be here for the Junior Prom, less one band manager—thanks to Louie.

See you there, Tyrone?

Naval Aviation Flight School

A Navy Procurement Team from the Naval Aviation Cadet Procurement Office at the Naval Air Station, South Weymouth, Mass., will visit the campus of Worcester Polytechnic Institute on Thursday, February 24, 1955.

The team will talk with all interested students, particularly seniors, about the Naval Aviation Cadet flight training program which leads successful candidates to a Naval Officers' commission and designation as a Naval Aviator.

The basic qualifications for this program are for young men between the ages of 18 and 25 having completed at least two years of college, and able to pass the necessary mental aptitude and flight physical examinations.

If you do not know about this opportunity offered by the Navy, see the Navy Procurement Team when they are here.

SUMMER CAMP—From Page 1

Officer who completes the Basic Officers' Course at Fort Monmouth.

Before the 1954-1955 academic year ends, the standing of students from Institutes throughout the United States will be furnished to PMS&T's and to Institute authorities. This practice will continue indefinitely, and we expect to see WPI at the top of the list.

D.M.G.

A by-product of the ROTC program is a limited number of Regular Army commissions which are tendered each year to outstanding ROTC cadets who qualify for the title of either Distinguished Military Student (DMS) or Distinguished Military Graduate (DMG). The acceptance of such a title does not commit a student to a military career; however, he must indicate within

60 days after graduation whether or not he intends to accept an RA appointment. If he elects the RA, he must serve a minimum tour of three years on active duty after which he may resign from the active service. Under present laws, he would be required to serve the remainder of his eight year service obligation in the reserves. As a regular army officer, he would be eligible for the same promotional benefits, pay, allowances, and assignments as the West Pointer. Under certain conditions, he could retire with 50% of the base pay of the highest grade held at the end of twenty years service or as he desires at the end of thirty years of service with 75% base pay for life. Security is perhaps the major inducement toward a Regular Army Career.

This year, the Signal Corps could tender a total of 49 letters of appointment in the RA for students receiving their degrees in June 1955. As of 1 January 1955, only 29 applications had been received for the 49 positions. At WPI, Bob Stempel was selected as a DMS for the Corps of Engineers. No Signal Corps cadets were designated this year. Designation comes as a result of a good academic standing, good MS grades, indicated leadership abilities, well-rounded personality, maturity, and above all, a desire for the military as a career. Anyone interested in additional information concerning the RA, DMS, or DMG, is urged to contact officers at the Military Science Department.

COSMIC RAY—From Page 1

are interested because of their own outer space problems.

He did work for Naval Research in the field of cosmic rays several Summers following his graduation from Brooklyn College and receiving degrees from University of Illinois and Rensselaer Polytechnic Institute.

He joined the WPI faculty in 1953 as an assistant professor of physics.



**WITH WELL-ROUNDED MEN
IT'S ROUND-POINTED COLLARS**

Ask any college man with the casual look. He'll tell you Arrow round collar shirts, like the Radnor "E," above, are the finest in quality, the utmost in correct fit and comfort. They are authentically styled to keep you looking your best.

Slide into a Radnor, left, or the new Arrow Pace, right, with a slightly wider spread to the round collar. In oxford or broadcloth... French or barrel cuffs, these Arrows are casually right for you... for every college man. Round-collar shirts in broadcloth, only \$3.95. Oxfords, in white or colors, \$5.00.



ARROW
SHIRTS & TIES
CASUAL WEAR
UNDERWEAR
HANDKERCHIEFS

Engineering
representatives of

PRATT & WHITNEY AIRCRAFT

will be on the campus
FEBRUARY 25
to interview

| | |
|-----------------------|---------------|
| AERONAUTICAL | METALLURGICAL |
| ELECTRICAL | MECHANICAL |
| CHEMICAL | PHYSICISTS |
| ENGINEERING GRADUATES | |

Please See Your
COLLEGE PLACEMENT OFFICER
for an appointment on
FEBRUARY 25

INTERVIEWS

- February
- 23 Mathieson Chemical Co. Ch.E., Chem.
 - 23 Republic Flow Meters Co. M.E.
 - 23 Raybestos Division of Raybestos-Manhattan, Inc. Ch.E., E.E., M.E. 4 p.m. meeting
 - 24 Raybestos Division. Ch.E., E.E., M.E.
 - 24 The Singer Manufacturing Company. M.E.
 - 24 The Connecticut Light & Power Co. E.E., M.E.
 - 25 Pratt & Whitney Aircraft. E.E., M.E.
 - 25 United States Gypsum Co. Ch.E., M.E.
 - 28 Socony Vacuum Oil Co., Inc. Ch.E., M.E., Phys.
 - 28 Philadelphia Electric Co. C.E., E.E., M.E.
- March
- 1 North American Aviation, Inc. Columbus Div. C.E., E.E., M.E.
 - 1 Columbia Gas System Service Corp. Ch.E., C.E., E.E., M.E.
 - 2 Raytheon Manufacturing Co. E.E., M.E., Phys.
 - 2 Naval Research Laboratory, Washington, D.C. E.E., M.E., Phys.
 - 3 RCA Victor Division. E.E., M.E., Phys.
 - 3 American Viscose Corp. Ch.E., Chem., M.E.
 - 3 Public Service Electric and Gas Co. C.E., E.E., M.E.

CONTEST!

Peter Stephens, Chesterfield campus representative, announced today that any student on campus can win Chesterfields in a new contest sponsored by him. All a student has to do to compete is to identify the smile of the well-known campus personality in this issue and in subsequent issues. Pete will then approach different students, the first ten of those who have the right answers will receive a package of Chesterfields. If you can produce your own pack of Chesterfields you will receive an extra pack. Winners will be announced in the next issue, when there will be another "face to place."

RELIABLE PRESCRIPTIONS
HIGHLAND B PHARMACY
 104 Highland St., Worcester, Mass.
 Phone: PL. 6-0594

Read the
TECH NEWS
 Each Week

W N E B
YOUR STATION FOR
MUSIC and NEWS
 1230
ON EVERYBODY'S DIAL

TALL TIMBER

Arkansas Representative James Brunton made a motion before the state legislature to the effect that all unmarried men over twenty-one be subject to a \$750 bachelor's tax. After considerable debate, the motion was referred for consideration to the Committee on Conservation of Natural Resources.

ON OTHER HILLS—From Page 2

could run along perfectly well without him.

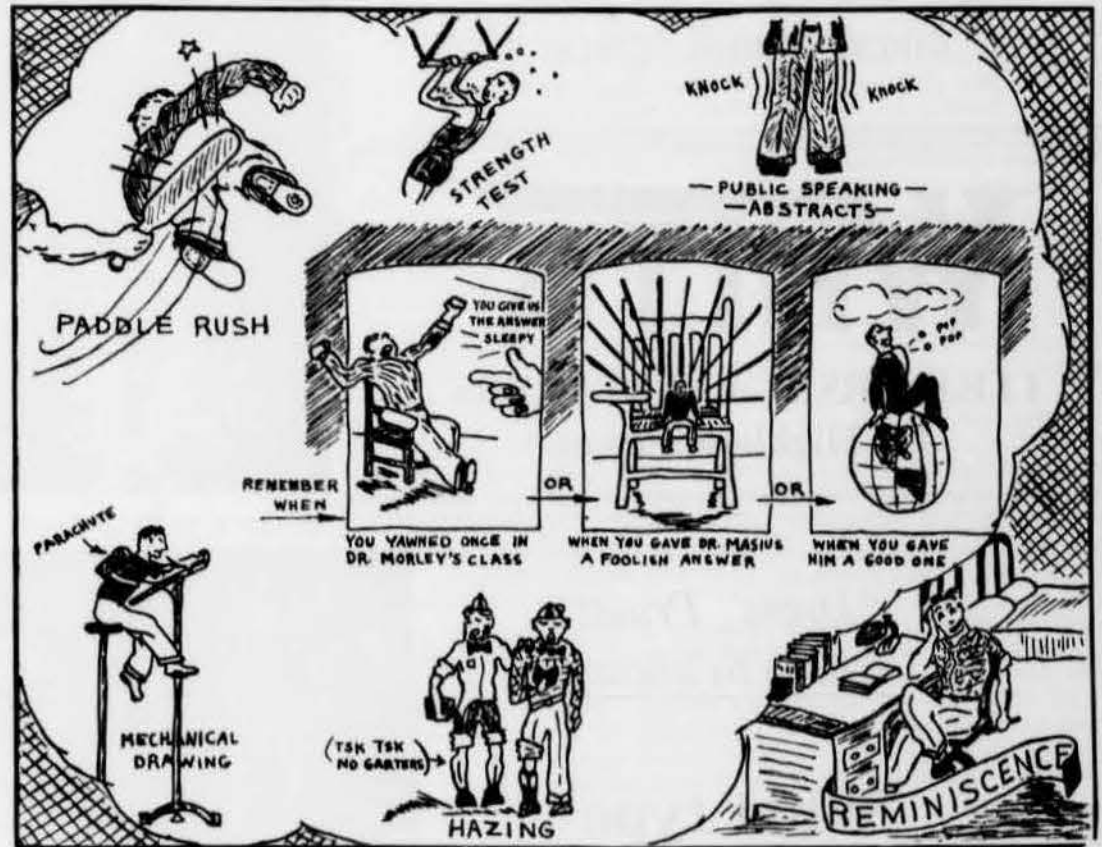
He learns that it doesn't do any harm to smile and say "Hi" even if it's raining.

He learns that most of the other fellows are as ambitious as he is, that they have brains that are as good or better than his, and that hard work and not cleverness is the secret of success.

He learns to sympathize with the newcomer coming into the school, because he remembers how bewildered he was when he first started out.

He learns that the professors are not monsters trying to get the last ounce of work out of him for the least amount of credit, but rather are usually fine men who have succeeded through hard work and who want to do the right thing.

He learns that the gang is not any harder to get along with in one place than another and that "Getting along" depends about 98% on his own behavior.



Harry Davis' Hickory House
 Where Good Food Prevails
LUNCHEON
COCKTAIL LOUNGE
DINNER
 Banquet Facilities For 10 to 175
 Open 11 A.M. to 12 P.M.
 Route #110 & #12 - Tel. PL. 2-0471



LEADING PRODUCER OF ELECTRONIC AND ELECTRIC ACCOUNTING AND COMPUTING MACHINES, TIME EQUIPMENT AND ELECTRIC TYPEWRITERS.

OFFERS EXCEPTIONAL CAREER OPPORTUNITIES TO

Seniors and Graduate Students
CAMPUS INTERVIEWS

MARCH 9

If your degree or major is: Sign interview schedule for:

- Liberal Arts • Business • Accounting
- Engineering • Mathematics Sales
- Physics • Mathematics • Engineering Applied Science
- Physics • Mechanical • Electrical
- Engineering Physics Engineering
- Industrial • Electrical • Mechanical Manufacturing
- Accounting • Administration
- Management • Auditing Business Administration

CALL YOUR COLLEGE PLACEMENT OFFICE FOR APPOINTMENT, TODAY!

If you cannot attend interviews, write for more information to Mr. B. N. Luther International Business Machines Corporation 590 Madison Ave., New York 22, N. Y. Sales and Service Offices in Principal Cities throughout the U. S.

What you should know about International Business Machines

International Business Machines Corporation is one of America's leading engineering, manufacturing and selling organizations, serving business, industry, government, science and education.

You'll be joining a company with a 40-year record of growth, stable employment, and one of the lowest employee turnover records in the country.

Your future will be as big as you make it, with advancement entirely on merit.

Excellent salary and employee benefit program with life-long advantages for you and your family.

Complete initial training in each of the employment classifications listed.

Seniors and Graduate Students



Team up with **RAYTHEON**

A youthful dynamic company with a promising future.

Positions available for:

- ELECTRICAL ENGINEERS**
- MECHANICAL ENGINEERS**
- METALLURGISTS**
- PHYSICISTS**

Some of our best known products:

- RADAR • GUIDED MISSILES • RECEIVING TUBES
- UNDER-WATER SOUND EQUIPMENT • KLYSTRONS • MAGNETRONS
- CATHODE RAY and SPECIAL PURPOSE TUBES
- TRANSISTORS • DIGITAL COMPUTERS • ULTRASONIC EQUIPMENT
- CONTROL MECHANISMS • COMMUNICATIONS and TV EQUIPMENT

Encouragement (including financial assistance) is given for University Graduate Study.



Excellence in Electronics

Raytheon Manufacturing Company

Waltham, Massachusetts
 (In the suburban Boston area)

Consult your College Placement Office for further information, literature and appointment.

Campus interviews on:
Wednesday, March 2

GIRLS! GIRLS! GIRLS!

WHAT? — Informal Dance.
WHEN? — After Tech-Clark Game.
WHERE? — Alumni Gym.
TICKET? — No Extra Charge.
MUSIC? — Boyntonians.
SPONSORED BY? —
 W.P.I. Varsity Club.
 Clark Booster Club.

GIRLS! GIRLS! GIRLS!

WHITE
CLEANERS - LAUNDERERS
 113 Highland Street



ENGINEERS LOSE TO HUSKIES, 71-60

For the second time in as many games basketball's bonus new rule came back to haunt the Worcester Tech hoopsters as they dropped a 71-60 decision Wednesday night to a hustling Northeastern quintet.

The Techmen repeated last week's effort against M.I.T. by literally giving the game to the Huskies as they fouled excessively. The statistics of the game tell the story in a nutshell. Northeastern tallied 22 floor goals but came up with 27 out of an amazing 40 tries to out-pout Tech which had 23 floor goals and 14 free throws in only 20 tries.

After a slow start which saw them on the short end of a 22-10 score, the Engineers started playing ball and out-played the hosts the second semester but could not make up for the first period lapse.

A 2-1-2 zone defense provided early bewilderment for the Techmen and in the later stages of the game drew numerous fouls from the over-zealous visitors.

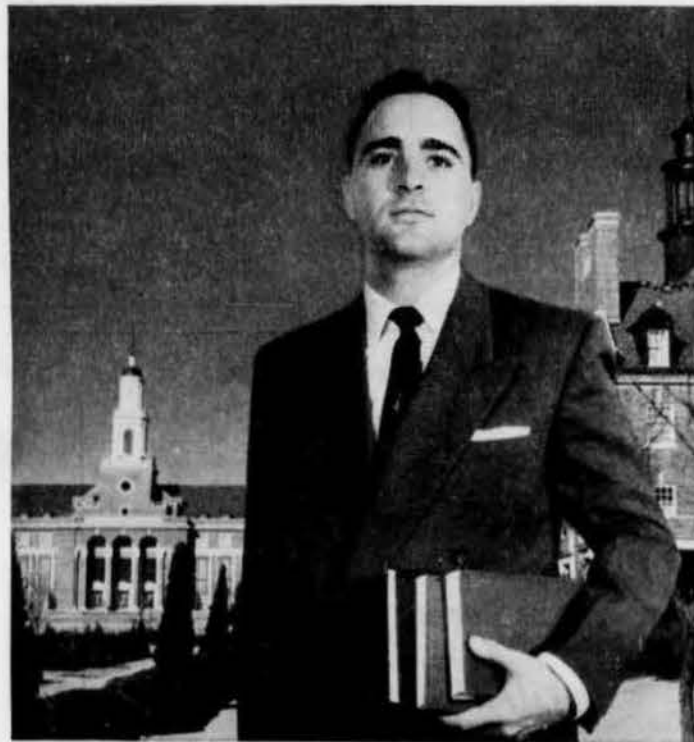
Jim Cheney once again proved to be Tech's top man with 13 points most of which were on classy set shots over the troublesome Northeastern zone. Eddie Eidt and Earl Bloom played a supporting role by chipping in with 10 points apiece.

Eddie Ayres who went in and around the Tech defenders all night proved to be the big badman in the Northeastern cause by tickling the Meshings for 22 points. Dick Brooks and Bill O'Rourke also added to Tech's troubles by hooping 15 and 13 respectively.

| NORTHEASTERN | | TECH | |
|--------------|----------|------------|----------|
| | fg fp tp | | fg fp tp |
| Kearns f | 4 2 10 | Schultz f | 1 2 4 |
| Coleman f | 4 2 10 | Bazinet | 0 0 0 |
| Brooks c | 3 9 15 | Stephens f | 1 0 2 |
| O'Rourke g | 4 5 13 | Bloom | 2 6 8 |
| Davis | 0 0 0 | Nowick c | 2 0 0 |
| Sykes | 0 1 1 | Brown | 1 2 0 |
| Ayres g | 7 8 22 | Braley | 0 0 0 |
| | | Cheney g | 6 11 11 |
| | | Christo | 3 0 0 |
| | | Eidt g | 4 2 8 |
| | | Stevens | 2 1 2 |
| Totals | 22 27 71 | Totals | 23 34 68 |

"Dress" Pruett wants to know:

What type of training program does Du Pont have?



DRESSLAR M. PRUETT expects to receive his B.S. in Industrial Engineering this summer from Oklahoma Agricultural and Mechanical College at Stillwater, Okla. He is president of the local student branch of A.I.E. Naturally, he is interested in selecting the best job opportunity for a successful career based on his technical training.

Don Miller answers:



DONALD C. MILLER received his B.S. in Chemical Engineering from Ohio State University in June 1937. During the following month he started work with the Organic Chemicals Department of Du Pont at Deepwater Point, N. J. Since then he has received and given many kinds of technical training. Today Don Miller is a general superintendent at Du Pont's Chambers Works—well qualified to answer questions about training programs for college men.

Training has many facets in a big firm like Du Pont, Dress, and a great deal of thought has been given to make it truly effective. We look upon training as a very important factor in a man's career. We think that the best way to train a college graduate is to give him a maximum of on-the-job responsibility in a minimum length of time. That's the general guiding policy at Du Pont, Dress.

Of course, each department varies this general policy to suit its special needs. A new man being trained for production supervision may first spend a year or so in laboratory or plant development work. Or he may spend his training period as a plant operator. Thus a man obtains firsthand knowledge of his process, and establishes a bond of mutual respect with the men he'll be working with on his first major assignment.

A young man interested in sales is often first assigned to a plant or laboratory dealing with the products he will later sell; or he may join a group of trainees to learn selling techniques right from the start.

An engineer, chemist, or other technical graduate is usually chosen for a specific job within his major field of study. Such a man brings specialized knowledge and skill to his job, and he is encouraged to put them to use promptly. But at Du Pont his experiences on the job are supplemented with lectures, conferences and discussion groups. In a very real sense, new technical employees continue training in their specialties after joining the Company.

To sum it all up, Dress, Du Pont's training program is individualized to provide a new man with specific opportunities to learn from contacts with more experienced men. The prime objective of Du Pont training is always kept clearly in mind—to develop men for future advancement and effectiveness in the organization.

NOW AVAILABLE for student ASME chapters and other college groups, a 16-mm. sound-color movie—"Mechanical Engineering at Du Pont." For further information write to E. I. du Pont de Nemours & Co. (Inc.), 2521 Nemours Bldg., Wilmington 98, Delaware.



BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY
 WATCH "CAVALCADE OF AMERICA" ON TELEVISION

For That Unusual Corsage
CALL
Cooper's Flowers
 133 Highland Street
 Telephone PL. 5-4331
 Member Florist Telegraph
 Delivery Association

**Air, Steamship, Rail,
 Bus Transportation**
 ● CRUISES and TOURS
 ● HOTELS — RESORTS
It costs no more to book with
**ROSENLUND TRAVEL
 SERVICE**
 306 Main Street, Worcester
 Telephone PL. 4-7236

Fairlawn Cabins
 Boston-Worcester Turnpike
 Route 9, Shrewsbury, Mass.
 Three Miles East of City Hall
 MRS. IRVING W. SMALL
 Tel. PL. 2-8709
 OPEN ALL YEAR
 Heated Private Showers
 "Weekend Accommodations"

TECH NEWS SPORTS

ENGINEERS HUMBLE WEAK MERRIMACK FIVE, 88-49

Bowling Enters Final Week; T.K.P. On Top

The Interfraternity bowling league enters its last week with Theta Kappa Phi again on top. The bowlers from 26 Institute Road recaptured the first spot from Alpha Epsilon Pi by defeating them 4-0 last week. The match was a lot closer than the score indicates. The first string was decided by eleven pins and the second by three. Henry Spadoni set the pace for the winners and Larry White was high man for the losers. Bob Dunn, the stalwart of Phi Sigma Kappa team, and Henry Spadoni of Theta Kappa Phi continue to lead the league in individual pinfall. Dunn has an average 103.9 and Spadoni is second with 103.4. Larry White's 143 stands as the high single string of the campaign.

Five matches are on this final week's slate. The two top matches of the week will take place when Theta Kappa Phi takes on Sigma Phi Epsilon and Alpha Epsilon Pi rolls against Alpha Tau Omega.

WON LOST

| | | |
|------|----|----|
| TKP | 22 | 6 |
| AEPi | 20 | 8 |
| PSK | 19 | 9 |
| SAE | 14 | 14 |
| LXA | 13 | 15 |
| ATO | 10 | 10 |
| PGD | 10 | 18 |
| SPE | 7 | 17 |
| TX | 5 | 19 |

SPORTS SCHEDULE FEB. 23 — MARCH 9

BASKETBALL

Feb. 25—Coast Guard Academy (away)
Feb. 26—Clark (home)
Mar. 3—Tufts (away)
(games start at 8:30 P.M.)

SWIMMING

Feb. 24—Holy Cross (home)
(8:00 P.M.)
Feb. 26—Coast Guard Academy
(2:30 P.M.) (home)
Mar. 5—M.I.T. (home)
(2:30 P.M.)

I.F. SPORTS

BOWLING

Feb. 28—A.T.O. vs. S.P.E.

BASKETBALL

Mar. 7—S.P.E. vs. P.S.K.
Mar. 8—S.A.E. vs. T.X.
Mar. 8—P.G.D. vs. L.X.A.
Mar. 9—A.E.P. vs. A.T.O.
Mar. 9—T.K.P. vs. S.P.E.

CLASS BASKETBALL

Mar. 4—Seniors vs. Juniors
Mar. 4—Sophs. vs. Frosh.
Mar. 7—Class Final

Compliments of
GOYETTE'S ESSO STATION
102 Highland St., at Boynton St.
Worcester, Mass. Tel. PL. 3-9579

Lubrication Battery Service
ECK BROS.
Service Station
Carl and Clarence Eck
Cor. Highland & Goulding
Streets
"Always Good Service"



Bazinet Goes Up

Swimmers Bow To Trinity 61-21

The Tech aquamen were completely outclassed in an away meet with Trinity last week. The absence of Adrian Atkins, Mike Gasek, and Bob Beckett severely handicapped the Grantmen. Howie Brown took a first in the 50-yard freestyle to get the Engineers off to a good start. Brown scored another first in the 100-yard freestyle later in the meet, giving him ten of Tech's 21 points. These were the only firsts taken by W.P.I. Trinity, exhibiting a large and well-rounded team won all other events with little effort. Don Striby, showing good breast and backstroke form in the 150-yard individual medley, was narrowly edged by Trinity's Scott. Captain Jim Warren added depth by capturing thirds in the 50 and 440 yard freestyle events.

Tech is looking for its first win in four seasons in Thursday's meet with Holy Cross.

Summary

300 yard Medley Relay—Won by Trinity; (Zimmerman, Logan, Shannon). Time: 3:09.8.

220 yard Freestyle—Won by Burbank (T); 2, Mehdav (T); 3, Jenkins (W). Time: 2:31.2.

50 yard Freestyle—Won by Brown (W); 2, Spatt (T); 3, Warren (W). Time: 26.3.

150 yard Individual Medley—Won by Scott (T); 2, Striby (W); (no third). Time: 1:43.0. Ties pool record.

Diving—Won by Barnwall (T). Points: 66.1.2, Craig (W).

100 yard Freestyle—Won by Brown (W); 2, Mehdav (T); 3, Hall (T). Time: 59.2.

200 yard Backstroke—Won by Crilly (T); 2, McGill (T); 3, Silven (W). Time: 2:33.0.

200 yard Breaststroke—Won by Churchill (T); 2, Cardines (T); 3, Bernstein (W). Time: 2:54.5.

440 yard Freestyle—Won by Holmstrom (T); 2, Boss (T); 3, Warren (W). Time: 5:39.0.

400 yard Freestyle Relay—Won by Trinity; (Campbell, Thomas, Vars, Shannon). Time: 3:41.6.

Jayvees Down Braves Juniors 92-40

Worcester Tech's smooth running J.V.'s rolled over the J.V. team from Merrimack College at the Alumni Gym Saturday night by a decisive 92 to 40 score. The Engineers could do no wrong as they hit on a high percentage of their shots and cleared both boards effectively. The Braves, on the other hand, had terrible luck on their shooting and had many of their shots blocked by the hard pressing Techmen.

The game offered little excitement in the way of tension since Tech pulled away to an early lead in the first half and remained well out in front for the rest of the game. But it did give satisfaction when we realized that these sharpshooting J.V.'s will be on next year's varsity squad. It was the team's second best scoring effort of the year, topped only by the 97 points they amassed against Assumption. While shining on offense the Techmen also played a good defensive game. Utilizing a 3-2 zone they stole the ball several times and successfully bottled up the Merrimack offense.

The entire Tech squad of eight men broke into the scoring column with four men hitting double figures. Dave Abbott led the way with 11 field goals and 6 free throws for a total of 28. Behind him followed McKenzie with 16, Larocque with 15, and Garfield with 12. Merrimack's Murphy at center was high for the losers with 11.

| TECH JV's | | MERRIMACK JV's | |
|------------|----------|----------------|----------|
| | fg fp tp | | fg fp tp |
| Abbott f | 11 6 28 | Collopy f | 1 0 2 |
| Ripple f | 4 0 8 | Langevin f | 1 3 5 |
| Garfield f | 5 2 12 | McGowan f | 1 0 2 |
| Gess f | 1 2 4 | Murphy c | 1 9 11 |
| Inglis c | 3 0 6 | Anstiss f | 2 0 4 |
| Agricola f | 1 1 3 | Maney f | 0 1 1 |
| Larocque g | 6 3 15 | Amante g | 3 0 6 |
| McKenzie g | 5 6 16 | Naley f | 0 0 0 |
| | | Buckley g | 0 0 0 |
| Totals | 36 29 92 | Cain f | 4 1 9 |

Totals 13 14 40
Referees: John Meeghan and John Frabotta.

EDDIE EIDT LEADS TECH'S SCORING SPREE WITH 29

By DICK EMERY

Sparked by Eddie Eidt, with 29 points, the Worcester Tech Engineers came roaring out of their six game losing streak as they stunned Merrimack College, 88 to 49, last Saturday night at the Alumni gym. Although they were definitely outclassed, a lot of credit is due to the Merrimack five for they were a game, hustling ball club throughout the tilt.

The Tech men switched from its usual man to man defense to a shifting three-two and two-three zone defense. With a tremendous advantage of height, this proved to be more than adequate. The tall Techmen made the bucket practically inaccessible to the Merrimack quintet as they hit only five times from this area.

In reversal of their usual form the Boynton Hillers couldn't miss from the foul line as they poured in thirty out of thirty-nine attempts. Leading in this department were Hank Nowick with 10 out of 14, Eddie Eidt with 9 out of 12, and Bob Schultz with 5 for 5.

The two biggest thrills of the night were Eddie Eidt's tremendous first half scoring spree and a last second desperation shot by Dick Bazinet. Eidt was hot in the beginning of the game as he scored twenty-two points before half-time. Bazie threw his shot from about ten feet on the far side of the mid-

court stripe. The shot arced up beautifully and swished through without the benefit of the backboard.

Tech drew first blood on a one-hand push by Nowick and then Eidt quickly added two more points, putting the Engineers out in front 6 to 0. With Eidt, Nowick, Bob Schultz and Gedney Brown controlling both boards all night the lead was never threatened.

The remainder of the first half continued in the same manner as Earl Bloom swished one and Brown and Eidt hit for two apiece, while Merrimack could score only one from the charity line. The half ended on a high note with Bazinet's half court shot and with Tech on top 40 to 17.

Tech continued the pace after half time intermission with Hank Nowick and Bob Schultz carrying the load for the first five minutes. Captain Bobby connected on two beautiful over-head sets while Hank scored seven, five from the penalty stripe and two on a nice tap in.

Tech kept increasing the lead as Eidt became red-hot again and put in four points on fast breaks and added one from the foul line. Then Jim Christo, Godney Brown and Dick Bazinet came back into the ballgame and continued the scoring spree as Tech pulled further. See BASKETBALL—Page 8

50 million
times a day
at home, at work
or on the way

There's
nothing
like a

Coke



1. SO BRIGHT IN TASTE...
nothing like it for
sparkling, tangy goodness.
2. SO QUICKLY REFRESHING...
nothing like it for
a bracing bit of energy,
with as few calories as half
an average, juicy grapefruit.



BOTTLED UNDER AUTHORITY OF THE COCA-COLA COMPANY CO
COCA-COLA BOTTLING COMPANY OF WORCESTER

"Coke" is a registered trade-mark. © 1955, THE COCA-COLA COMPANY

Young Vet's Florist
222 MAIN STREET
Telephone PL. 3-9178
**CORSAGES AT
REASONABLE PRICES**
OPEN WEDNESDAY EVENINGS

**THE NEW
HIGHLANDER DINER**
Worcester's Most Modern
Diner
OPEN TILL 2:00 A.M.

BASKETBALL—From Page 7

and further ahead. Brown especially looked good as he connected for six points and rebounded off both boards.

This was Merrimack's twelfth loss in eighteen games and brought Tech's record up to six wins and seven losses.

Another highlight of the game as far as the Tech students were concerned was the Merrimack cheerleaders. The girls showed spirit as they vainly urged their team on to victory.

The box score of the game is:

| TECH | | | MERRIMACK | | | |
|-----------|----|----|-----------|----|----|----|
| | fg | fp | tp | fg | fp | tp |
| Schultz f | 2 | 5 | 9 | 4 | 7 | 15 |
| Bazinet | 4 | 2 | 10 | 1 | 0 | 2 |
| Bloom f | 1 | 0 | 2 | 0 | 0 | 0 |
| Brown | 5 | 0 | 10 | 2 | 1 | 5 |
| Nowick c | 3 | 10 | 16 | 1 | 0 | 2 |
| Braley | 0 | 1 | 1 | 2 | 0 | 4 |
| Eidt g | 10 | 9 | 29 | 3 | 1 | 7 |
| Stevens | 1 | 1 | 3 | 0 | 2 | 2 |
| Cheney g | 2 | 2 | 6 | 1 | 5 | 7 |
| Christo | 1 | 0 | 2 | 1 | 3 | 5 |
| Stephens | 0 | 0 | 0 | | | |
| Totals | 29 | 30 | 88 | 15 | 19 | 49 |

Referees: Ed Frew and Ziggy Strzelecki.

DID YOU KNOW?—From Page 3

which period she became the wife of Prof. John E. Sinclair. Since Miss Fletcher's day the instruction staff has been entirely of the masculine sex.

that at least three technical schools were modelled on the Worcester plan, and that several others copied the unique feature of shop instruction?

The first school designed to be like W. P. I. was Rose Polytechnic Institute at Terre Haute, Indiana. It was opened in 1883, under Dr. Charles O. Thompson, first principal of the Worcester Institute. A few years later the Miller Industrial School was opened in Virginia, with the assistance of several W. P. I. professors.

The entire Worcester system was transplanted in Atlanta in 1887, when the Georgia School of Technology was founded. Professors Alden and Higgins went to Atlanta to assist in planning the school, and the latter spent a year there directing the work of the shops.

BE WISE!

Have your watch overhauled now before the warm season starts.

All overhauled watches electronically checked and adjusted.

RAPHAEL'S

131 HIGHLAND STREET
Telephone PL. 2-9274



"SOPHISTICATED SWING"
LARRY ELGART

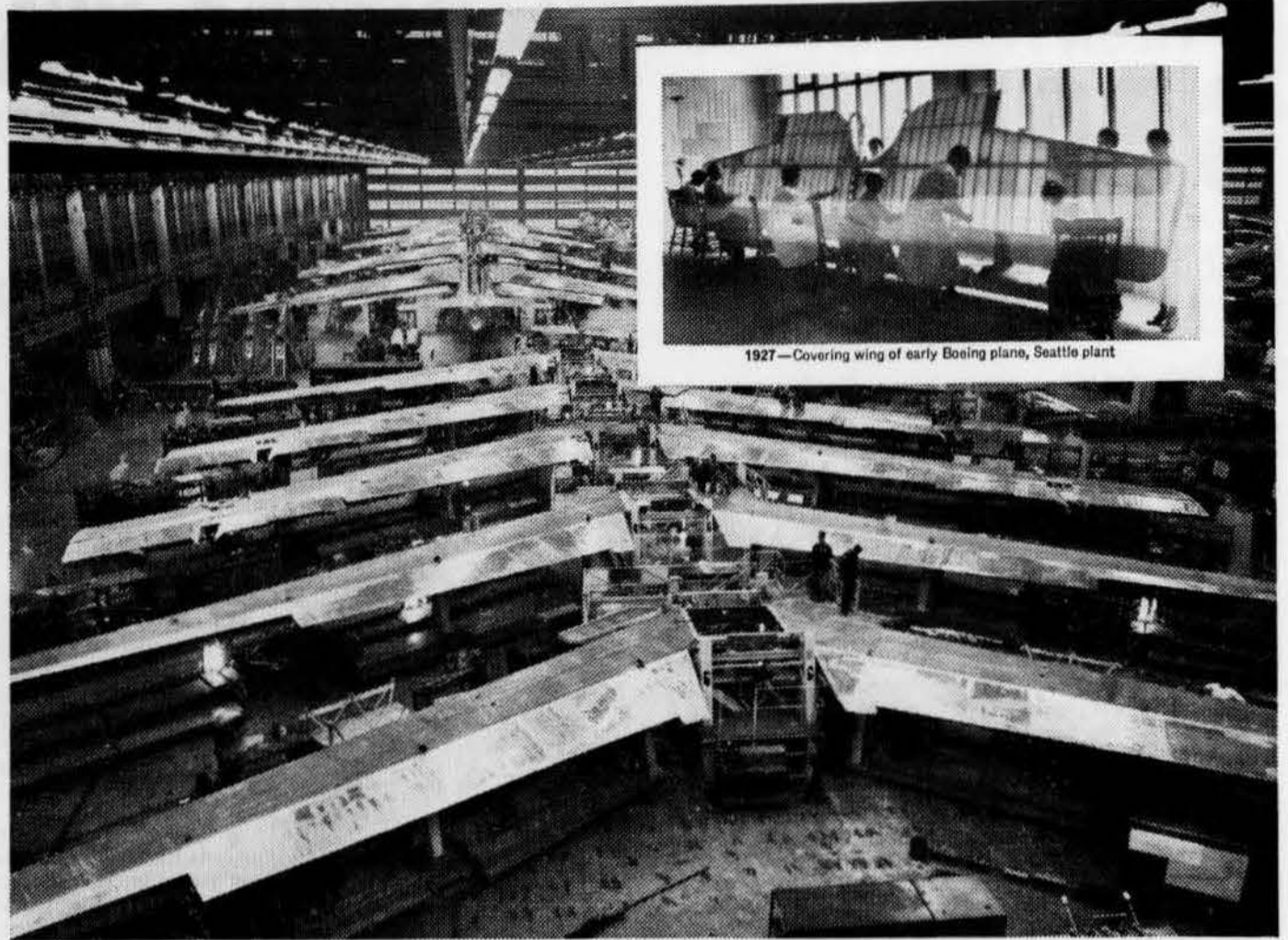
His Trumpet

AND HIS **Orchestra**

FEATURING

LARRY ELGART
AND HIS SAXAPHONE

COLUMBIA RECORD'S
NEW SENSATION



1927—Covering wing of early Boeing plane, Seattle plant

1965—B-47 Stratojet assembly, Boeing Wichita Division

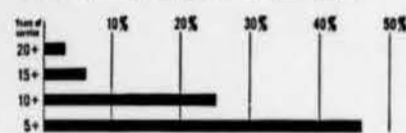
Boeing offers engineers long-range careers

Throughout its 38-year history, Boeing has consistently pioneered advanced new types of military and commercial aircraft, and new methods of production. This history of leadership has meant continued growth for the company. It means continued opportunities for Boeing engineers to move ahead according to their ability in Research, Design and Production.

Today Boeing is producing the jet age's outstanding bombers, the B-52 and the B-47. Other Boeing projects that mean continued growth and stability include: America's first jet transport (the Boeing 707). Research in nuclear-powered and supersonic flight. And one of the nation's major guided missile programs. These and other new-horizon

projects are expanding at such a rate that Boeing now employs more engineers than even at the peak of World War II.

The high inherent interest of these programs, together with the stimulation of expanding opportunities, add to the stability of careers at Boeing. One measure of stability is given in this chart.



It shows that 46% of Boeing engineers have been with the company for five or more years; 25% have been here 10 or more years, and 6% for 15 or more years. Another measure is the increasing pro-

portion of engineers to total employees. Fifteen years ago the figure was one to 16. Today one out of each seven employees is an engineer.

Boeing promotes from within and holds regular merit reviews to assure individual recognition. Engineers are encouraged to take graduate studies while working and are reimbursed for all tuition expenses.

Boeing has openings for virtually all types of engineers—electrical, civil, mechanical, aeronautical and related fields, and for applied physicists and mathematicians with advanced degrees.

For further Boeing career information consult your Placement Office, or write:

JOHN C. SANDERS, Staff Engineer—Personnel
Boeing Airplane Company, Seattle 14, Wash.

BOEING
SEATTLE, WASHINGTON WICHITA, KANSAS

Stopping at the first house on his famous ride, Paul Revere cried:

"Is your husband at home?"

"Yes," came back the reply.

"Then tell him to dress and fight the British."

At the second, third, and fourth houses he repeated the conversation.

Stopping at the fifth house he cried again.

"No," was the reply.

"Whoa!"

THE AMBITIONS OF A TECHMAN

(with apologies to "Life")
(Feb. 15, 1911 TECH NEWS)

First Year

- To do everything well
- To stay in nights
- To help athletics
- To be on good terms with the instructors
- To be a good fellow
- To get by

Second Year

- To do everything well
- To help athletics
- To be a good fellow
- To get by

Third Year

- To help athletics
- To be a good fellow
- To get by

Fourth Year

- To get by

The views expressed in this paper are entirely those of the editorial staff, and in no way reflect the views of Worcester Polytechnic Institute.

Worcester Telegram

The Evening Gazette

Sunday Telegram

Radio Stations WTAG
and WTAG-FM

Hilltop Flower Shop
166 LINCOLN STREET
Telephone PL. 5-9335
Flowers For Every Occasion
DELIVERY SERVICES

STUDENTS—Clip This Now!

\$1,000.00 IN CASH PRIZES

For the Best Essay—(250 to 500 Words)
On The Subject

"How I Would Increase the Popularity of Cigarillos"



RULES

1. Only bonafide students of accredited colleges are eligible to compete. 1st prize \$500; 2d, \$200; 3d, \$100; plus four \$50 prizes.
2. Essays must be accompanied by one (1) KING EDWARD CIGARILLO band, or reasonable facsimile thereof.
3. Only one entry accepted from each student.
4. Contest now open. Closes April 30, 1955.
5. Mail entry to Box 3097, Jacksonville, Florida. Decision of judges will be final. All entries become the property of...

JNO. H. SWISHER & SON, INC.
Makers of King Edward Cigarillos

"You don't have to inhale to enjoy a Cigarillo"

NOTICE To All Activities

Your best method of announcing events is by a notice in the **TECH NEWS**. Leave your notices to be published in the **Tech News** box, Boynton Hall.