

Embryo Engineers Get Third Degree In Hallowed Halls

Once again, Worcester Tech was chosen as one of the schools to act as an administrative agent for the Pre-Engineering Inventory. Prof. Paul R. Swan, acting in his capacity of assistant Dean of Admissions, assisted by Professors Back, Klein, and Phelps, proctored the examination which was taken by 104 aspiring engineers from the Worcester County area.

The Pre-Engineering Inventory is a series of individual tests designed to measure the ability of students for the study of engineering. These tests are prepared by the Educational Testing Service and given annually at selected locations for the purpose of aiding in the classification of matriculates. Many schools recognize them as an excellent comparative rating of prospective freshmen. For some time the Institute has required all applicants to take the tests as a supplement to the entrance requirements, for the purpose of predicting the capacities of its students during the later course of their studies at Tech.

Varied Tests

This year the examination was given last Saturday, March 5, in Sinclair Hall. It was composed of tests covering a wide range of subjects so chosen as to indicate the skills and information previously acquired through study and experience to fit the candidate for engineering training. Some of the individual parts included the following: General and Technical Verbal Ability, Ability to Comprehend Scientific and Mathematical Principles, Spatial Visualizing Ability, and Understanding of Modern Society.

Again in June

The tests are simultaneously administered in several hundred centers throughout the country, and the results are relayed to the college listed by the applicant. The Pre-Engineering Inventory will be given again June 25, and applications for this examination must be filed by June 11th. Applications will be available March 1, and information concerning the examination will be available through Dean Swan's office. It was remarked by one weary upper-classman to those who thought the Inventory easy, that milk isn't the only thing that comes from a cow.

Assembly Notice

Today's assembly will feature a spectacular and entertaining display of the Magic of Lamp Research, as developed at the Lighting Institute, Nela Park, Cleveland, under the direction of Alston Rodgers of General Electric Company.

Tech Goes "Carny," Faculty, Beserk

FROSH AND SOPHS CLASH IN BATTLE OF SKITS

The Freshman-Sophomore feud, subdued since last Fall, breaks out again at the Thirty-second Annual Tech Carnival in Alden Memorial Auditorium on Saturday evening, March 12. The Student Christian Association's program for this event includes thirty-minute Freshman, Sophomore and Faculty skits followed by dancing to the music of the Boyntonians.

Cup to Victor

Even though acting ability might play some small role in the final outcome of the Frosh-Soph competition, the skits will stand or fall on the basis of the imaginations of the playwrights. The reward for all this will be a gold cup awarded to the team selected by the judges. Regardless of the outcome, however, a faculty group of non-combatants is sure to steal some of the applause when Professor Wilmer L. Kranich's charges swap red pencils for acting paraphernalia. If all this entertainment is not enough to fill Alden Auditorium with a capacity crowd, Tech's popular Boyntonians should serve the purpose. Immediately after the skits, Sanford Riley Hall's Commons will resound to the musical interpretations of the fourteen-piece Boyntonian Dance Band.

Stanier EMCEE

The Student Christian Association, which organizes and presents the Tech Carnival each year, expects this year's program to rival those seemingly unattainable standards of yesteryear. General Chairman Walt Dennen and Business Manager Jim Peepas have completed all of the preliminary preparations,

and the stage is set for Master of Ceremonies Phil Stanier.

Frosh Confident

Contrasting this early completion of preparations by Tech Carnival promoters, Freshmen, Sophomores and Faculty will continue revising and supplementing their enterprises right up to curtain time. Headed by Chairman Bob Giorgi, Dick Boutiette, Jack Feldsine and Warren Palmer, the Freshmen are confident that the gold cup will be theirs by dance time Saturday night. Meanwhile, however, the Sophomores say nothing, but just continue perfecting their own skit. Chairmen Bob Allen and Bill Baker have placed prime emphasis on secrecy. At any rate, only Saturday night will divulge the winner.

Profs Prepair

The tendency in all pre-Carnival discussions is to overlook the Faculty, since they do not compete for the cup. Still, each year they converge on Alden from obscure classrooms, lecture halls and laboratories to answer the students' challenge. Learned doctors and graduate assistants alike abandon classroom restraint and mimic the students, the school, and the faculty itself. It only happens once a year!

Boyntonians On Tap

The playing of the Boyntonians is no such rarity at Tech, but still a treat to the dancing couple. When fourteen of Tech's most talented musicians get together, some professional bands could well be envious. The Boyntonians are the only sure winners of the evening.

Hungry?
Steve Spaneas, major-domo of the Student Center Coffee Shop and Lounge, wishes to announce that the facilities and services at the popular West Street location have been added to and expanded. Hamburgers, cheeseburgers and other grilled specials are available at the low S.C.A. prices.

EE's Sponsor Forum; Bring Your Troubles

The Student Branch of A.I.E.E. and I.R.E. is planning a meeting of general interest to almost everyone on the campus when it sponsors its Annual Student-Faculty Forum.

The general subject for discussion will be "Institute Courses and Methods of Instruction", and more particularly the Electrical Engineering Curriculum. Professor Emeritus Charles M. Allen of the Department of Mechanical Engineering has graciously consented to act as moderator for the evening, and the Electrical Engineering Faculty will be represented by Professor J. Mulligan and Asst. Prof. D. W. Howe. Student opinions from the Junior and Senior classes and Post Graduates will be presented by N. Padden, A. Campbell, N. Cox, J. P. Burgarella and G. Engman. As in the past, the discussion will be thrown open to the audience at the conclusion of the Round Table program. A box has been placed at the E.E. Dept. bulletin board.
(Continued on page 3 col. 5)

FORMER W.P.I. PROF TALKS TO STUDENT E.E.'S

This month's meeting of the Student Branch of I.R.E. and A.I.E.E. was held in the Sanford Riley Commons on Tuesday, March 1, 1949. The meeting was called to order at 7:30 o'clock by Chairman Orlando W. Foss who introduced the evening's speaker, Mr. Victor Siegfried. Mr. Siegfried, who is a former professor in the E.E. Department but now employed by the American Steel and Wire Co. as Head Research Engineer, gave as his main talk, "Wire Insulation". The development, uses, and types of cable and wire were explained and discussed extensively.

The Student Branch will once again hold its annual forum in the Janet Earle Room on March 22nd. An impartial moderator will preside over the forum which will have as its faculty members, Professor James E. Mulligan and Instructor Donald W. Howe.

The Radio Club will hold a meeting at 4:15 o'clock on Wednesday, March 9, 1949, in the Electronics Lab of the E.E. building. The main purpose of the meeting is to discuss the club's amateur transmitter. The transmitter operates on bands of 80, 40, and 20 meters and has a power output of 250 watts for both code and voice. The club also wishes to extend a cordial welcome to all radio enthusiasts to its meetings and activities.

HUNGRY HARMONISTS GORGE ON EVENING OF SWEET MUSIC

The Worcester Tech band and the musical organizations of Clark University conducted their first joint concert on Friday evening, March 4, before an appreciative audience of 500 in Atwood Hall.

Clark's chorus under the direction of H. Earle Johnson opened the program with several effective numbers. The chorus' arrangement of Gershwin's *Summertime* was done especially well by the forty-five mixed voices. The concert was then turned over to the brilliant young pianist, Leonard Hokanson, who once again displayed his great talent at the keyboard. Making its first appearance this year, the Clark band was im-

posing in its debut.

In the post-intermission program, the Tech band warmed up to a terrific performance. *Home Sweet Home the Whole World Over*, which was enthusiastically received by the esthetic engineers at a recent assembly, drew equally warm applause from the young liberals of Clark.

The concert was brought to a cacophonous conclusion with several selections by the combined bands under the inspired baton of William F. Lynch. After the close of this Evening of Music, the hungry harmonists of both bands were served refreshments in the Clark music room.

All the worlds a stage



TECH NEWS

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A year ago the inception of a new practice occurred in the Institute. And now we learn that it is to be repeated later on this month. We are speaking of course of the joint meeting of faculty and student representatives in the E. E. department, with the express purpose of discussing departmental policies and attaining greater harmony between the students and their courses and instructors. On the part of the faculty the move is most commendable and gratifying to the students.

As a result of the previous meeting several most-welcome changes were brought about. It is hoped that the forthcoming meeting will cause modifications and changes beneficial to all concerned, yet, without any changes what-so-ever the confab will prove well worth the time and effort expended. Merely from the fact that the department willingly agreed to a second meeting illustrates that that department apparently has a greater interest in the students' welfare than ordinarily is thought to exist on the Hill. The encouragement that such a meeting will produce in the students seems to be the only compensation the departmental members ask. Such a noble position on the part of those men must be admired.

And yet why must this idea of a student-faculty discussion be restricted to the Electrical department alone? Surely it can not be that we have one liberal surrounded by many conservatives. Surely the other departments will not yield to the E. E. department the leadership in interest in students. We know this not to be the case, and yet from the outward appearances it seems so. Possibly the fault lies with the students for not assuming the initiative. If this is the case why not have the officers of the student branches of the engineering societies become the stimulating forces behind a movement for general departmental meetings, and ultimately a closer kinship between faculty and student body. Such tighter bonds will in turn result in a stronger alumni group and a greater Worcester Tech.

Fraternity News Bits

By NORM BROWN

It looks as though Theta Chi still has the market cornered in the romance department. Dave Flood and Joyce Philbrick will tie the knot on June 23, and Bob Miller and Edith Cutting will follow along in July. Prescott Jones, '48, returned for a short visit which turned out to be a give and take proposition. He gave some more paint from the side of his Ford and took away a few more dents. Roulette, dice, and card games drew the largest crowd at T.X. this year with brothers, alumni, pledges, and dates filling the house to overflowing for a very successful Harold's Club party after last Saturday's basketball game.

Sig Ep had successful doings and makings after our encounter with Clark that didn't let the roof settle down until around 1:00 A.M. S.P.E. opened this term's program for becoming better acquainted with the faculty by entertaining Professor Locke and Professor Klein at supper last Thursday, March 3.

A.T.O. turned its attention away from Tech that evening and played host to Judge Walter Allen, who spoke on crime and juvenile delinquency. Quite a few of the boys claim to have derived direct benefit from Judge Allen's advice.

Phi Sig held a big informal party on Feb. 26 which attracted numerous wandering Sig Eps. The combination was evidently all for the best, because the affair turned out to be a great success. A scholarship committee headed by Mal (Ya gotta get better marks) Ferson is mapping an extensive program for improving the scholastic rating of the house. Their biggest problem may very well be "Hack" Freeland, who is the proud possessor of a new chariot and an old little black book without a clean page in it.

Pete Kahn stole the show at A.E.Pi by announcing his engagement to Sylvia Siegel. By way of celebrating the event, the fraternity has been invited to Sylvia's house for cocktails.

THOSE WERE THE DAYS . . .

By ROLAND BEDARD

The Goat's Head, symbol of Freshman - Sophomore competition, holds a prominent place in Tech history. Most of us learned about this strange tradition when, as freshmen, we faithfully perused our Tech Bibles and read the story of the Goat.

Originating in 1891 as the live mascot of the class of '93, the black goat was later chloroformed and his head mounted. Many years later the class of 1928 suggested that school life would be more spirited if the now-famous head were made the object of class rivalry. A bronze casting was made to represent the original goat, having a life-size head and miniature body totaling one foot in length.

In contrast to the present system of awarding the Goat's Head to the winning class in Freshman-Sophomore athletic competition, the old method consisted merely of a rivalry for actual possession of the trophy by the two lower classes. The rules specified that the Head must be shown annually at some school gathering by the class possessing it. This requirement made the contest a duel of skill and daring.

In 1929 the liveliest Goat's Head battle of all took place. The Freshman class of 1932 were then in possession of the trophy, and secretly planned to show the Head at the Tech-Tufts track meet on May 4th. That afternoon the eyes of amazed

spectators were diverted from the running events to the sky overhead. A small cabin plane circled low over Alumni Field, with an object swinging beneath it. Identified by many as the Goat's Head, it caused indignant Sophomores to race for the airport to seize the treasure as the plane landed. But the crafty Freshmen outwitted their pursuers by dropping the Goat to confederates somewhere near Lake Quinsigamond before landing.

The 32'ers were congratulated on their ingenuity, but after a bitter controversy the showing was ruled illegal. The Rules Committee stated that the object suspended from the airplane was not plainly visible, and might have been another object shaped like the Head. Chagrined, but still enterprising, the Freshmen were forced to plan another appearance.

Three weeks later, at the Tech-Clark baseball game, a Freshman disguised as a flapper displayed the Head through the north fence of Alumni Field, quickly speeding away on a motorcycle. Sophomores pursued in an automobile, caught the Freshman stalled in traffic, and finally took the Goat's Head, ending an exciting competition. This type of contest continued for a few more years, when it was decided that the competition limited participation to a small group of men in each class, so the current system was adopted.

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STREET FLOOR

TECH NEWS SPORTS

SPORTS BEFORE MY EYES

By Colonel "X"

Sig Ep vs PSK in I.F. Basketball Opener

SAE, SPE Strong Contenders For AEP's Title

Throwing away the small black bowling balls only to give Pat the janitor more work bringing out the basketballs, finds the nine fraternities keeping up with their close competition as the interfraternity basketball league rolls around this Tuesday. Everybody is looking forward to a nip-and-tuck battle like last year when it took a playoff game between SAE and AEP to decide that the trophy belonged to AEP. However, many of the top scorers of last year have departed from old PI's clutches.

At 4:15 on Tuesday, the finals of the interclass rivalry will take place before Phi Sig and Sig Ep take their positions. This may prove to be an important game but is also a toss-up.

The teams have been up in the gym on Saturdays getting into shape and trying to get a starting five. At this point of the game it looks like SAE is the team to beat. Hampered only slightly by the loss of men graduating, they have been perfecting a very tight zone defense while practicing in outside leagues. Gordon Willard will no doubt fill the vacant spot left by Kirkwood from last year while Schmucki will be leading the Humboldt boys again in the scoring. Filling out the other positions will probably be Trainer, Griswald, and Grimwade, Winther, or Perrin. AEP will be battling for the first division but will be without their scrappy high scorer and ball handler Buddy Dember. Dember paced his team to victory and ended up second in scoring in the league. Nevertheless, there are two new additions in Mickelman and Lewis along with their big gun, Howie Green. The other two probable starters will be Goldstein and maybe Don Kolodne. Showing signs of big chances in practices is Sig Ep, as they will nearly have their

previous starting five. Back from last year will be their shooter, Besse-lievre, along with Melden, Mochon, and From. The other probable first division contender with good reserve strength is Phi Sig. Throwing them up for PSK will be Shattuck, Clark, Seguin, Briery, and newcomer Harry Mankey. Theta Kapp may be strong even though they lost Ventres, the league high scorer of last year. Filling his position will be Don Sasek while last year's starters of McCormick, Atkinson, Barbaccia, and Coonan will complete the score sheet. Phi Gam lost three starters but will be no easy meat, being led by Hodgett along with Judd, Luce, Rodier, and Fulmer. Theta Chi's losses were heavy but they still have their playmaker back in Ken Muccino. Backing him up will be Pappas, O'Connor, Cheney, and DeWire. Lambda Chi has improved with their addition of Writer to the team but have lost the services of Underwood by way of injuries. Thomas will lead them again along with Wright and Thompson. ATO will be back again with Carlson, Wheeler, Tomasz, and Jutras.

TECH SCUTTLED BY STATESMEN

The Tech mermen were nosed out by the University of Massachusetts Tuesday night by a score of 46-29 in the Tech pool. The Tech team really made the water boil in the opening events, but the lack of depth soon took its toll.

Tech took the first event, the 300-yard medley relay, by a more than safe margin. Lancey gained a healthy lead in the first leg of the race, and the rest of the team held it, to win. The next few races went to U. of M. which put them out in front. Scott, the U. of M. free styler, was the big point grabber. However, the highlight of the evening was "Pretzel,"

(Continued on Page 4)

join now

The "Jay's at Four" Club

jay's corner

CLARK NIPS TECH IN LAST MINUTES 55-51

UCICH AND BRADLAW IN LAST GAME; JV'S WIN

In the first renewal in six years of their traditional rivalry, Clark University defeated Worcester Tech 55-51 before 1,200 tumultuous fans in Tech's Alumni Gymnasium to register their sixth victory in the seventeen year classic. These are the cold facts. Behind them lies a wealth of human interest, a story of rewarding victory and heart-breaking defeat, for the game was one of the most bitterly fought, lung-bruising, collar-wilting trials by combat ever waged in the Tech arena.

Throughout the whole game save the final five minutes, the two teams were separated by no more than a hand's span. The die was cast in these five minutes. With 5:30 remaining, and the score deadlocked 44-44, George Vasil, slender point-getter for the Scarlets, initiated Clark's victory spurt by veering off the key and caroming a hook shot off the boards into the cords to give Clark an eleventh hour advantage. At this point, senior Russ Bradlaw was called for an illegal pick and was banished, joining George Barna and Bill Mehalick as the Tech villains of the evening. With precious time slipping away and with both teams playing a hell-for-leather brand of ball in an effort to get possession, the Scarlets got a valuable chance to ice the decision from the foul line. But for the first time their uncanny touch was gone, and from a total of five gratis heaves, only one changed the scoreboard. But Clark followed with a quick layup, and when Gorgeous George netted an off-balance, over-head jaw dropper, it seemed the nail that sealed the coffin's lid, as the Tanangers had the whip hand 54-44. But Clark's crown rested on uneasy heads, for Tech's Mr. Inside and Mr. Outside, Steve Ucich and Richie Howard, hit twice from the charity stripe, and with 2:50 to go, Tech lacked five points for a deadlock. But Vasil, again flashing his early season form, knifed through the Tech defense and delivered the coup de grace with an underhand layup. Everything following was anti-climatic; Dame Fortune had once more turned her stony gaze upon us.

An obviously disappointed coach, Charlie McNulty, observed after the game: "I thought all along we could beat them. Of course, at the start

they couldn't miss, but I thought that in the course of the game the law of averages would catch up with them. But it never did, or if it did it was too late to catch them. Their luck simply ran out too late for us." His statement is well founded; the Men of Boynton again outscored their rivals from the floor, only to fall afoul of the Scarlets' bombsight accuracy on free tosses. The Liberal Arters dropped 17 of their 34 Annie Oakleys, at least half of them consecutively at the start of the tilt, while the Engineers could fashion only 11 of their 28 opportunities.

Bellwether for the hosts was Richie Howard, with 13 points, which tied him with Clark's Paul Shiminski for the scoring laurels. The big question mark of the evening and the potential high scorer was Steve Ucich, captain and playing his last game for the Crimson and Gray, who twisted his ankle badly in a melee under the basket in the waning moments of the first half. A question that must remain unanswered is if Ucich, obviously playing one of his better games and working most effectively with Howard, could have swung the tide. One thing is certain, and that is that sophomore Walt Kolodne, second in scoring punch with 12 points and a tower of strength off the boards, came as close as it is possible to filling the big shoes left empty.

The Tech Jayvees came up with their best game of the season and beat both the buzzer and the Clark Freshmen 44-43. Ahead by one point and with one minute to go, Tech applied the freeze, but Clark forced a jump and got the tap. Kirby tightened down the left lane and arched a desperation push through, sans contact with the rim. Clark 43—Tech 42; scant seconds left. Jack Kasper's attempt to knot the count with a foul shot wavered off line and fell away into a tangle of arms below. Another shot; another miss. But Hal Althen bounced high in the key, spun, and dunked an overhead shot just ahead of the buzzer. The final: Tech Jayvees 44, Clark Freshmen 43.

Forum

(Continued from Page 1, Col. 3) tin board—why not drop in your suggestion for topics to be considered by the panel. Save the date, Tuesday, March 22, and come to the Janet Earle Room to hear the subject aired.

TUFTS TRIPS TECH TO TUNE OF 56-43

Jumbos Jolt Hopes of McNultymen in Strong Second Half Drive

The Engineers made their regular midweek jaunt as usual. This time they went to Cousens gymnasium at Tufts College where they again found it next to impossible to get a victory on the road as they dropped a hard fought game, 56-43.

Engineers Rule

The Jumbos jumped off to a quick 3-0 lead. Then Bradlaw started Tech's scoring with a shot from outside and the Boynton Hillers took the lead as Andy Freeland laid one up for two points. For the next fifteen minutes the Boynton Bombers had everything their own way. They ruled under both baskets even though Tufts had the height advantage. Led by Richie Howard, Tech's defense constantly stole the ball and intercepted passes. With their offense clicking, the Mac men were ahead 18-10 at the end of thirteen minutes. At this point, the Jumbos screening plays started to take their toll and Mullaney of Tufts tied the show up at 21-21 with two minutes remaining in the half. Walt Kolodne, in for Steve Ucich, scored from under the basket to put the Engineers back in the lead. The half closed with Tech holding a one-point lead, 24-23.

Jumbos Forge Ahead

As the second half started Captain Steve Ucich hooked one in and it looked as if Tech would repeat their first half performance. However, this prediction turned out to be far from fact. The Jumbos offense began to function smoothly and after only three minutes, Captain Spud Shapiro hooped one to put his team ahead 27-26. The Engineers never regained the lead. Mullaney and Tryder slid through the Tech defenses to score from under the basket. After ten minutes Tufts was on top 41-34. Steve Ucich continued to play a brilliant game, and, as he sunk two successive field goals from the bucket, the handfull of faithful Tech supporters who had decided to drop studying for the evening thought that the tide had turned. Tufts was undaunted by this display of power and just kept on rolling to win the game going away. The final score was 56-43.

Ucich, Howard Star

Steve Ucich and Richie Howard starred for the Engineers, both on the offense and the defense. Ucich and Mullaney tied for high scorer as each got a total of fourteen points.

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FOOTNOTES

By PHIL STANIER

The days are gone when glory graced a dream:

Fraternities omnipotent, supreme—
When Profs, rather than emperics cold

Were fatherly and loved their fold—
The sun was something sometimes in the sky,

And liberals feared the country would go dry.

Oh, was there not a never-ending joy,

When studies were a pleasure, an alloy

Of one part work to nine of fun,
And when 'twas politic to row or run,
To bask and play in country-clubbing style

Sporting 'round and making grades the while.

When dreaming of those days, one must grow quite drear,

For now we have schooling, but something's missing I fear.

Further Trivia

Statistics recently released by the Emanon Foundation show that Worcester Tech grads have, on the average, 1.3 children, while Becker Junior College grads have 1.7. This merely confirms our suspicion that women have more children than men.

Spring Is Near

That's when you look at a this! like girl pretty

I walked into a barber shop,
The sign was very queer
"During alterations
We'll shave you in the rear."

Hot Tip Department

Good times are upon us. Don't fail to catch WNEB's new nighttime platter show. The Night Owl show is presided over by Leo McDevitt, whom we have long felt to be this fair city's most literate disc-jockey. Leo has stated very plainly that he holds no brief for Vaughn Meatball the Millionaire Monotone, and this alone endears him to us. On top of this, he has played a completely kazoo-less show at times.

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Cosmopolitans Discuss Latin America

B. C. Debates at Tech; Newman Club and A.S.M.E. Convene

On Monday, March 7, the Cosmopolitan Club held another of its monthly meetings in the Janet Earle Room. After the business meeting, a panel discussion was held on the topic "Central and South American Affairs". Three students gave a short talk on the current situation and problems in their own countries. The speakers were: Felix Huratado from Cuba, Antonio Renasco from Nicaragua, and Martin Bromberg from Brazil. The discussion was then opened to the members with Don Weikman acting as moderator. Tsu-Yen Mei presided over the meeting.

The Newman Club held its monthly meeting in the Janet Earle Room last Tuesday. The guest speaker for the evening was Father John F. Fitzgerald, a member of the physics department at Holy Cross. After the formal meeting, refreshments were served.

ASME

The monthly meeting of the A.S.M.E. was held last Tuesday in Higgins 109. The speaker for the evening was F. W. Jones, a representative of the Celanese Corporation of America. Mr. Jones is connected with the plastic division and he gave a very interesting talk dealing with this subject. He also showed some film to illustrate his discussion.

The A.S.M.E. also announced that it plans to give out information and application forms to the Senior members so that they may transfer from student membership to Junior membership in the society. The meeting was brought to a close by Tsu-Yen Mei, acting chairman.

Next month the student chapter plans to hold a joint meeting with the Worcester section of the A.S.M.E.

Debating Club

A meeting of the Debating Club will be held on Friday, February 11, at 8 o'clock in the Janet Earle Room. The debating team of Boston College will be their guests. The question of the Federal Government's equalizing education in tax-supported schools by means of annual grants will be debated. W.P.I. will take the negative side.

Tech Men Run Second to Dog

At 1:01 P.M. on the afternoon of Saturday, March 5, the Worcester Tech Lacrosse and Lottery Association held its drawing for the grand prize of one GE portable radio. This drawing culminated a drive for funds for the perpetuation of Indian sport. No sooner had the lucky stub been plucked from Sig Ep's glass punch bowl than the news flashed along the grapevine to the whole waiting campus: *Mitzie Wins—Fix Feared.*

Who is Mitzie? Mitzie is a dog.

Swimming

(Continued from Page 3)

the U. of M. diver. Between his one and a half flip with a full twist and his one and a half gainer with a half twist, he received 111 points from the open-mouthed judges.

The only other two events we captured were the back-stroke and the breast-stroke. "Old Faithful" Lancey came through with his usual first place in the back-stroke. Pete Kahn edged out a strong twosome in the breast-stroke.

Her master is Joe Leonard, son of Mr. and Mrs. Leonard. Mitzie didn't think she had a dog's chance of winning, but she dipped into her next week's biscuit money and plunged into the numbers pool, riding her wad on number 937. Today, Mitzie is the proud owner of a portable radio. This could happen to you, engineers, so watch for the fund drive of the *jai alai* team.

The final event brought a few smiles from the crowd. It was the 400-yard free style relay and Tech was short one man. Lancey went in and took over the vacant space. Being used to the back-stroke and not the free style, every time Lancey turned around he ended up on his back. Nevertheless, he still stayed neck and neck with his opponent.

This was the final dual meeting of the season for Tech and they are now waiting for the N.E.I.A.A. meet on March 12, to complete the season.

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Newsworthy Notes for Engineers...

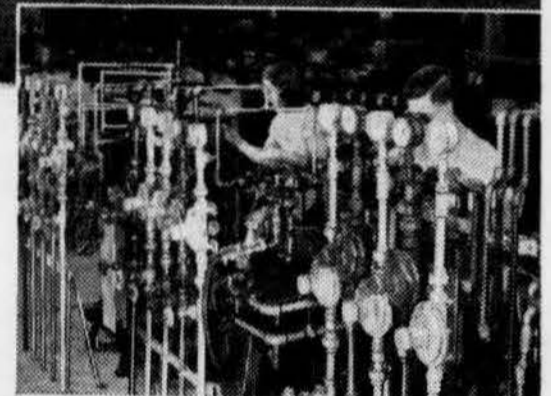


New electronics plant of Western Electric at Allentown, Pa.

Complex job for Engineers

This new "controlled atmosphere" plant, which produces electronic equipment for your telephone service, posed many interesting problems for engineers at Western Electric—manufacturing unit of the Bell System.

For example, a speck of dust or a trace of perspiration may seriously impair the efficiency of vacuum tubes, thermistors, varistors and mercury switches manufactured here. To meet these



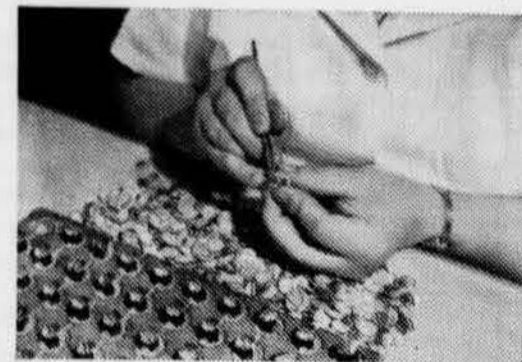
Over 40 miles of pipes deliver 13 needed services to working locations. These are hydrogen, oxygen, nitrogen, city gas, city water, deionized water, soft water, (cold, hot, cooling) high pressure air, low pressure air, process steam and condensate return.

problems, the new plant is completely air conditioned, with strict control of temperature and humidity—sealed except for doors, and slightly pressurized to keep out dust.

Other "musts" in planning included proper illumination for high precision work—a complex network of piping to deliver 13 needed services—a gas generating plant—a highly efficient chemical waste disposal system.

But beyond the problems solved in helping to design the plant itself, Western Electric engineers met many a challenge in working out highly efficient manufacturing layouts, machine design and production techniques to assure a steady flow of highest quality electronic devices of many types.

This new Western Electric Plant at Allentown is a measure of the ingenuity and thoroughness of Western Electric engineers—electrical, mechanical, industrial, civil, structural, chemical, metallurgical—who provide equipment that helps make Bell telephone service the best on earth.



Assembling miniature electron tubes—typical of the high precision work at Allentown—calls for finest lighting. It is provided by a scientifically designed system containing over 13,000 fluorescent tubes.

Western Electric

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