

NEW PROFESSION FOR ENGINEERING

TECH SENIOR PLACES 3RD IN CONTEST

Paul Beswick, a Tech Senior, placed third in the Region One ASME student paper contest at Tufts University over the weekend. Paul, competing against eleven other speakers from schools in the Region did a fine job in presenting his talk titled "A New Concept in Rotary Engines". The subject of his paper was an entirely new type of internal combustion engine which would use only two moving parts to produce power. Paul hopes to continue work on his design after graduation in June in hopes of building a prototype of the engine. Paul earned the right to represent Tech in this contest by winning a similar contest against three other Tech students at an ASME meeting about a month ago.

The competition at this convention is always extremely sharp since all of New England and two New York schools are included in ASME's Region One. The winner of the paper contest was Philip A. Thompson of Rensselaer who spoke on atomic fusion power plants of the future. He will represent Region One at the National Conference at San Francisco this June. Second place was awarded to Lawrence Furrer of Dartmouth who spoke on axial flow compressor performance data.

National President Ryan, after explaining that Region One had a very good record for enrolling a large percentage of potential student membership, presented the award for the best percentage of membership to Worcester Tech. Another award of 25 dollars for having the largest attendance at the conference was accepted by Rog Danielson, Treasurer of the WPI section. This is the second year in a row that Techmen topped convention goers numerically.

Everyone attending seemed to have a very interesting, informative, and enjoyable time. This should indicate that WPI will have the largest attendance again next year at MIT, and come home with more prizes. All ME's are requested to be thinking about the possibility of giving papers next year. Tech will need a representative in this field.

Sperry Gyro Exhibit Now on WPI Campus

From Monday, April 15 to Thursday, April 25th, Worcester Tech students will have an opportunity to see the famous Sperry Gyroscope Engineering Exhibit. This Exhibit is designed for all engineering department students, and all classes. Freshmen through Seniors are certain to find it of considerable interest. The Exhibit, which consists of five individual displays, will be set up in the main floor corridor of the Electrical Engineering Building.

The displays which will visit WPI at this time are concerned with the latest developments including some of the actual equipment used in the following fields: (1) Guided Missiles; (2) Traveling Wave Tubes and Klystrons; (3) Coordinated Airborne Radar Sets; (4) Automatic Flight Control for Jets; (5) Ship Stabilization.

Advances Are Made In Technical Writing on Specialized Fields

An enlightening talk sponsored by Pi Delta Epsilon indicated to an audience of faculty and students the new opportunity that is available to scientifically educated men. The speaker for the evening was Mr. McGarraghy of the Sperry Gyroscope Company, who is presently associated with the new profession of Publication Engineering. The publications engineer is an engineering specialist who relieves other engineers of the major portion of the responsibility for production of all publications required as a result of the engineer's work. The publications engineer must be an engineer who has writing aptitude and a desire for exerting his knowledge of the engineering fields. It is a familiar complaint among engineers that they become too specialized and know too little of what is taking place in the scientific world around them. The publications engineer finds great satisfaction in testing and adding to his knowledge in the many different fields.

The duties of a technical writer may be listed as follows upon receiving customer specifications:

1. Analyzes and plans project.
2. Maintains close liaison with sources and reviewers while writing a rough draft and directing photographers, illustrators and typists.
3. Submits rough draft to field engineers for a practicability check, to patent attorney for patentability and infringement checks, and to sales and advertising personnel for a company policy check.
4. Revision and correction are made of the first draft incorporating the comments from all reviewers.
5. Final draft to customers for comments and approval.

The reason for the increase in need for technical writers stems from the fact that the complexity of equipment and systems certainly will continue to increase, and with this increase of complexity there results a greater need for more complex handbooks and engineering report coverage. An important question concerning this field is the popular question of advancement in such a phase of engineering. The starting salaries in this department of most firms is comparable to the salaries paid to those participating in research and developing.

When we consider the choice each senior must make from the existing selection of engineering opportunities, it appears that this additional opportunity available through technical writing will surely simplify the dilemma of most seniors at this time of year.

M.S. DEPT. TO PRESENT NEW AWARD

New awards for Tech ROTC students is the word just received by the M.S. Dept. from the Dept. of the Army. The award is to be called the "Superior Cadet Ribbon" and will be given to a student in each of the four classes enrolled in ROTC. To win the ribbon a student must be recommended by both the PMST and a Dean of WPI and must be in the upper fourth of the Class in ROTC and academic standing.

See NEW AWARD—Page 4

JUNIOR PROM THEME TO BE VIENNESE BALL

SPEAKER ENCOURAGES SCIENTIFIC RESEARCH

The Young Faculty Association held a luncheon meeting Wednesday, 20 March, at the banquet room of Nick's Grille, Inc. The guest speaker was Dr. Raymond J. Seeger, Assistant Director for Mathematical, Physical, and Engineering Sciences, of the National Science Foundation.

The National Science Foundation is a government supported agency set up by Congress for the purpose of encouraging research and development in the physical sciences. This foundation is granted the large sum of forty million dollars by Congress each year. The division of which Dr. Seeger is the head, receives fourteen million dollars of the total grant, nine million dollars which is set aside for the purpose of giving individual grants and five million dollars for facilities and equipment which may be needed for the research. To be eligible for a grant, one must have a proposal, a definite idea which has been planned and developed as much as possible. The person, it may be a teacher, a graduate student, or even an undergraduate student, then has to get the authorization of the institute in which he plans to work. If approved, a formal letter is sent to the National Science Foundation, containing the plans and reasons for research into the particular field, and copies of this are in turn sent to professional men who look over the proposals to see if they are justifiable. They are then listed in one of four categories: excellent, very good, good, and not so good. The foundation then gives their

approval or disapproval, and if approved, the necessary sum of money is sent to the institution, not the individual, who in turn uses the grant for the costs of the research done by the individual.

Dr. Seeger, in his talk, stated that six out of every seven proposals have merit but due to the limited amount of money given to them by Congress, in contrast with that asked for, only one out of every four are given a grant. He also made it clear that whether or not the research is successful, no moral commitment of any kind is made and the facilities become the property of the institution. His main purpose for coming here was to encourage many of the smaller schools to ask for grants. He feels that too many sums of money are being given to the larger schools such as M.I.T., Cal. Tech., or Harvard. The reason may be that many small schools do not feel qualified or are against the fact that they are able to receive these grants. It is impossible to get one if you don't ask, says Dr. Seeger, and he is trying to encourage the smaller schools to ask for them. Their proposals will be given a maximum amount of consideration as are any others.

Another fact which Dr. Seeger expressed his views on was that many teachers could increase their abilities to teach by doing research in their respective fields of science. It is true that there are many excellent teachers who have never done research but if they had or would challenge themselves to the task, the actual experiences would come in pretty handy during classroom recitations.

NEW STAFF ELECTED FOR TECH PEDDLER

Shortly before vacation a group of students assembled in Higgins for the purpose of electing the staff for the '58 Peddler. Steve Gunter, Editor-in-chief of this year's Peddler, presided over the meeting. The working body of the Peddler elected the following:

Editor-in-chief JOEL KORELITZ
Managing Editor PETE OTTOWITZ

Business Manager BOB JENKINS
Advertising Manager BOB BUGLEY
Copy Editor ROGER JOLICOEUR
Make-Up Editor LARRY DWORCKIN
Photo Editor HARRY ROBBIN

Once again the wheels of work and grind are put into motion to turn out the Peddler for another year—1958.

TO THE TECH COUNCIL, THE TECH NEWS AND
TO ALL HEADS OF DEPARTMENTS

This is to remind you that the Administrative Committee voted to suspend all classes, except those in Military Science and drill on the day following the Interfraternity Ball and also on the day following the Junior Prom. This was approved by the President.

It is to be understood that this is done as a special concession to the students and it is not to be expected that such a concession will be extended for any other such activities.

F. W. ROYS
Dean of Engineering

DIXIELAND GROUP AT INTERMISSION

The coming Junior Prom, with the music of Ralph Marterie is giving promise of being one of the best Proms in recent years.

Contrasting with the theme of "Viennese Ball" intermission music will be of the Dixieland variety and will be provided by Normy Locke. This group is known to many Tech men through the band's appearances at the Fox Lounge on Sunday afternoons for the past several weeks.

The Queen of the Prom will be chosen immediately following the intermission. She will be elected from a group of ten girls, submitted by each fraternity and the Shield.



RALPH MARTERIE
Ya - - - that's right. It's the Junior Prom, with Ralph Marterie.

Prom tickets are on sale at each fraternity, from the Shield, Dorm Counselors, or from Herb Clarkson and Joe Boggio. The price of the tickets is \$8.00 and the dance itself is flowerless.

Loring Studios will be on hand to take pictures of the couples for the price of one dollar. This price includes not only the picture but also the folder.

As announced earlier, Saturday classes with the exception of R.O.T.C. and drill will be cancelled. This concession has been confirmed by the committee with the administration.

Honor Society Announces Its New Members

Sigma Xi has announced its newly elected members. Elected for full membership were David A. LaMarre, B.S., W.P.I. '54 "with distinction", who is the author of several papers and various phases of optical measurement and development, being employed in American Optical Co. Research Lab; also Lawrence C. Neale, M.S., W.P.I. '56, the holder of Freeman Fellowship for study of European Hydraulic Research Facilities. He is assistant director of the Alden Hydraulic Lab, and is known for his model work on various municipal and private power developments.

Elected for Associate member was Alan F. Petit, B.S., W.P.I. '55 "with distinction". He is a Research Ass't in E.E. Dept. working on "Tissue Conducted Speech" research for U.S.A.F. and is working for his M.S. Degree.

See HONOR SOCIETY—Page 4

TECH NEWS

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HOGWELL'S TRAVEL GUIDE

By WILLIAM F. CURRAN

(Glastonbury T. Hogwell, world traveler, author, and lecturer, is noted for his many travel articles, which have appeared in the *Thursday Review* and the *Reader's Digest*, and also for his best-selling book, "I Was a Mau Mau Tribesman for the F.B.I.". He has condescended to favor us with a list of places to visit and to avoid while touring our own great nation.)

EAST—Places to visit.
Dismal Swamp, N. C.—No tour through North Carolina would be complete without a canoe trip around nature's blunder, Dismal Swamp. These canoe trips cost only \$75 (with guide, \$90; with canoe, \$120) and they are well worth it.

Lake Quinsigamond, Worcester, Mass.—A fisherman's paradise. Nearest human habitation 10 miles, 5 miles from a well known junior college.

Jellyfish Beach, R. I.—This "playground of the East" is located 250 miles south of Providence. Jellyfish Beach at present is under 400 feet of water, due to a mistake in its planning and zoning regulations. However, the city fathers hope that shortly the tide will go out.

New York, N. Y.—A fair-sized suburb of Passaic, N. J. Discovered in 1949 by Casey Stengel.

Acadia National Park, Maine.—Dull and boring. No street fights, rock-'n'-roll riots, or all-girl gangs. Obviously below par socially.

Worcester Polytechnic Institute, Worcester, Mass.—Just avoid it.

SOUTH—Places to visit.
Gros Cauchon, La.—Located deep in Louisiana's Bayou country, this sleepy little village has an average relative humidity of 98.9%. Great for sweating off rolls of unwanted fat.

Big City, Texas.—Incorporated last June, this city now has a population of 800,000, and by the time you read this it will have passed the million mark. The citizens appear to be rather dirty, but this is only because they bathe in petroleum.

INSTITUTE HISTORY

By PAUL JOHNSON

As Worcester Tech grew from infancy, concern for its survival became a thing of the past and expansion loomed as the most important issue at hand, as it still is today. However, the students themselves also played an active role in the history of Tech, and more often than not took the spotlight with their activities and pranks.

Under the guidance of Dr. Conant, successor to Dr. Engler, fraternities began to really flourish on campus with the addition of three new chapters. While Dr. Engler was President the houses of Phi Gamma Delta, Sigma Alpha Epsilon and Alpha Tau Omega appeared at Tech and provided their members with excellent living quarters. For those that were not fortunate enough to be fraternity brothers, living quarters were provided through the facilities of Newton Hall, which was opened in the fall of 1901.

Athletics also was aroused by much interest on the part of students. Interest in track lead to the construction of a cinder track on the Boynton side of the campus. Baseball took a spurt for two years, then went into a decline. The football team of 1895 had to disband because so many of its members were ineligible to play.

The enrollment at Tech was also an important factor in the school's development. In 1906 the enrollment reached a height of 377, a fifty per cent gain in five years.

One of the most stimulating innovations of this period was the *TECH NEWS*. This weekly paper was well edited from the start and became popular immediately. The paper suspended publication for a brief period in 1912 but resumed in the fall and continued without a break thereafter, except during the war period in 1918.

During this period, Tech began to expand in every way possible. The type and number of courses were increased as well as the enrollment. The students themselves became more and more like true college material, which was an important factor in making Worcester Tech one of the country's outstanding schools of higher education.



ON OTHER HILLS

By LEE COURTEMANCHE

Polygamy Favored

AMHERST PRESIDENT ATTACKS BOY-GIRL RELATIONSHIP

According to a recent article in the Amherst College newspaper, President Charles W. Cole, '27, has stated that he is in favor of "polygamy".

The President's message was released in the March issue of *Harper's* magazine in an article entitled "American Youth Goes Monogamous." The article deals with the change in male-female relationships over the last generation, and laments the passing of the philosopher of the "twenties."

President Cole began research on this matter at his summer home in Utah several years ago. The author has stated that he looks with amazement at a college community which frowns on "bird-dogging" and upon students who feel committed to a partner after the third date. It would be better, he suggests, for males to go out with fifty or one hundred girls than just one or two.

"The oddest thing about the revolution in the social life of youth in the last twenty years," said President Cole, "is that it constitutes the triumph of rural nineteenth-century American moves in the urban and suburban society of the mid-twentieth century."

Within the past month, several members of the College Administration have echoed the ideal of free love. Among them was Trustee Francis Plimpton, '22, who attacked "going steady" as a violation of the Sherman Act outlawing monopolies. Mr. Plimpton also stated that "it's better to be a polygamist who doesn't polyg than a monogamist who doesn't monog."

FRATERNITY REVOLT AT OREGON STATE

The brothers of Sigma Alpha Epsilon fraternity at Oregon State College have their own means to an end. Wearing their mungiest clothes, they boarded up doors and windows of the house and circled their lawn with barbed wire, reports the *Daily Barometer*. They celebrated "We Hate Women" week.

Those who were "able" grew beards, and all refrained from speaking to women, trying to prove that "every man is an island." Basic reason for the function was summed up by the chairman this way: "The men are weary of continually trying to maintain their best appearance. They want a vacation."

On the other side of the fence "Beast Pools" are formed by some Wisconsin U. coeds on nights when they're blind-dating. The pool members contribute a quarter each, then make sure they see each other's escorts during the evening; next morning they all vote, and the girl whose date is voted the worst wins all the money in the pool. Sound familiar?

North Texas State has a week called Dutch Week during which the coeds ask for dates and pay the expenses involved. This is also known as "Dames United to Catch Husbands Week". One of the unusual features of this week is the crowning of the "Ugliest Man on Campus".

Ah yes, students will be students. Anthropologist Margaret Mead in a talk at Wellesley warned that today's emphasis on "equality at any cost" is robbing men of their masculinity and women of their maternal femininity. Dr. Mead stressed that by trying to make "equal" rather than "comparable" two naturally asymmetrical beings, we are "lopping off part of the life of each." Think about that.

READ EVERY ISSUE OF TECH NEWS



BY DZEMOSTHENES DZIURGOT

The Greeks have returned well rested after a week of vacation, but sorry to say that there were probably more studious Greeks here at the "Toot" taking make-ups. Oh well—they didn't want the vacation anyway. However, in spite of the many who enjoyed taking these make-ups, many others joined the ranks of "Persons with Misplaced Pins".

Leading the parade of casualties was the Circle Bar X, where Bob Kanen and Jerry Collamore succumbed to the wiles of the fairer sex and lost their pins to Shirley Osterholm and Merle Swan, respectively. Alex Papaioannou, took a big step and bought a diamond for Marcia Lawson. . . . News has it that Hal Denzer didn't waste the vacation either.

Theta Chi would like to announce the initiation of the following: Don Wood, Dick Mushial, Terry Dupuis, Bob Purpura, Bill Kerr, Phil O'Reilly, Frank Kazeroid, Mike O'Toole, Nat Johnson, Pete Lajoie, Dave Geoffroy and Al Levesque. These new initiates sponsored a "20,000 Leagues Under the Sea" Party which was extremely successful, especially when everyone got wet on the 101st Anniversary Coke which was presented by the initiates.

S.A.E. was also in on cupid's act. I guess S.A.E.s just can't resist hanging their pins on girls. Bob Conte became pinned to Julie Lombard and rumor has it that Charlie Richmond lost or misplaced his pin. However, after a careful search it turned up on Lois Hurley. At least this shows that the S.A.E.s at Tech are not like their counterpart from Oregon State College as explained in the article "On Other Hills".

The juniors in Phi Gam have finally hit a new record. When Phil Lenz became pinned to Ann Christmann, he increased to 80% the percentage of Pinned Juniors. A new cabinet has been installed at the FIJI Lodge—President, Stu Gentsch; Treasurer, Bob Walker; Recording Secretary, Oscar Hawley; Corresponding Secretary, Bill Curran; Historian, Morg Whitney.

Two Theta Kaps managed to get on the "Band Wagon" and lose their pins. Willie Mandrola broke under the strain and pinned Judy Parmelee and Joe Lenard also was seen passing around cigars this week after pinning Irene Deptula.

Last weekend Theta Kappa Phi initiated into the brotherhood Peter A. Mills, a Tech graduate and now an industrialist in Pittsburgh and owner of Moody Engineering Co.;

Anthony P. Maggiacomo, a member of the original Friars at Tech; Captain Richard J. Tamplin of the R.O.T.C. Department; Mr. Vincent F. Connolly of the Math Department; Anthony J. Ruksnaitis, Supt. of Buildings and Grounds at Tech; and twenty-seven undergraduates, who are: Joe Barresi, Bill Brown, Buster Bullock, Kev Burke, Bob Crook, Jack Czertak, Carl Driscoll, Bill Firla, Jack Haavisto, Bill Hayes, Paul Johnson, Paul Jolicoeur, Bud Legall, Art Lovetere, Bob Magee, Ray Pavlosky, Ron Pokraka, Ed Russell, Norm Rouleau, Tom Sokolowski, Bruce Schoppe, Fred Tessier, Bernie Tetreault, Lou Varuzzo, Bob Wallace, Dave Welch, and Tom Zimmie. Following the formal initiation Saturday afternoon, a banquet was held at the Hickory House, which was preceded by a cocktail hour.

A.T.O.'s sole pin dropper was Jim Demetry who pinned Elaine Miarchos. . . . Looks like he is the only man with courage. Saturday night the brothers and their dates gathered for a pajama party. The entire living room was redecorated in the form of a huge double bed. . . . It was real soft. The highlight of the evening was the awarding of a prize to the one wearing the pajamas all would most like to sleep in.

A.E.P. had a horror show last weekend. . . . I hope the girls were not the reason the party was so named. Kenny Rome was on the Robert Q. Lewis Show (a celebrity in our midst) and explained the "Megundi" or "Beast of the Week Award". The question of the week—How come Kenny understood it, did he win it many times????





SPORT SLANTS

By ROGER JOLICOEUR
& STAN GRAVELINE

It seems like a long time since our last column yet not too much has happened sportwise in the last couple of weeks. Most of the action was in IF sports with the conclusion of the basketball season and the swim meet. In the last issue we noted that SAE and Theta Kap were headed for a playoff game to decide the basketball championship. And of course this game did take place with Theta Kap coming out on top, contrary to our pre-season prediction. More about our other predictions later. As for the big game itself, TKP's over-all steadiness was too much for SAE's alternately great and terrible play. . . . With the aid of a few people connected with the loop, we have come up with our choices for all star honors. Here they are:

1957 IF ALL-STAR BASKETBALL TEAM

Name	Team	Class
Tom Brand	PSK	1957
Buster Bullock	TKP	1960
Jim Christo	SAE	1958
Jack Daly	PGD	1957
Dave Olson	PSK	1957
Ron Pokraka	TKP	1960

Although Dave Olson played only three games before he injured his knee, he still ranked as one of the top performers in the league. However, if this team was to play together, we would need another man to replace Olson. Thus we have picked a total of six men. . . . As for our pre-season prediction, as we said, TKP and SAE reversed the expected order, while PGD faltered and tied with Phi Sig for fourth. Sig Ep was third, one place higher than we figured they'd be. Two things were surprising: Theta Kap, with two outstanding freshmen in Pokraka and Bullock, arose on top while Phi Gam, supposedly greatly strengthened by the addition of two former varsity men, failed to impress. As for next year, the only senior on SAE's club is Charlie Whitney, while TKP has no seniors, therefore these two should again fight it out for the crown. . . . SAE and Phi Gam staged quite a battle for the swim title. Bob Berg won it for the Fiji's with wins in the 100 yard events. . . . Frank Grant, coach of the swimming team, must have drooled with anticipation when he saw Artie Hesford perform. Artie was captain-elect of Coast Guard Academy's swimming team, but transferred to Tech last fall. He was by far the outstanding performer in the I.F. meet and could be a great aid to the Grantmen if he takes to the gym pool next winter. Let's hope he does. Incidentally, Hesford is the second captain-elect the Sailors from New London have lost to Tech. . . . Tech's baseball nine got off to rather an inglorious start in their opener against Tufts. Ineffective pitching, poor fielding and the lack of clutch hitting proved their downfall. Still, Dave Ripple pitched fairly well in his first try of the year; wildness and crucial errors hurt him. And Tech certainly managed enough hits and runs offensively, even though they missed several golden chances. . . . Coach Charlie McNulty is requiring the Tech boys to wear protective batting caps this year. This seems a good move as it could prevent some serious accidents. . . . Tufts came up with an oddity in the game, namely a left handed catcher. He did OK except when Tech had a man on third and a right handed batter at the plate. Then, he had a hard time getting the ball by the batter and the runner in trying to throw him out at third. . . . Plans were made by the Varsity Club to have the girls' swimming team of the U. of Mass. perform as part of the entertainment at the Varsity Club annual spring dance. However, the plans fell through since U. of Mass. will be into final exams the weekend the dance occurs. So, no girls—More on the dance later. . . . Five fraternities are still in the running for the Grand Sports Trophy with the season rapidly drawing to a close. S.A.E., by virtue of its win in swimming and tie in basketball, is now in the lead for top honors. The remaining sports are softball, tennis, track, and ping-pong. Last year's softball championship went to S.A.E. as they beat Theta Kap in a post season playoff. These two clubs loom as contenders for the title again this season. Lambda Chi has the tennis title just about sewed up with seven wins and no defeats. S.A.E. will lose some ground in this since they are currently on the bottom of the heap. Track appears to be a wide open contest and we won't even attempt to call the outcome of this one. The ping-pong tournament will be held this week and we'll pick Theta Kap with Bob Laplume who hasn't lost a match in his two years of IF competition.

TKP Captures IF Basketball Title in Playoff

Another IF basketball season has come to a close and another league champ is crowned. It took an extra game to do it this year for SAE and TKP were tied with 7-1 records at the end of the regular season. TKP came through with a 53-42 victory. Last year's champs, PSK, just didn't have that something extra and finished in a tie for 4th place. This was a very interesting season from the spectator viewpoint. There were several close games, one going into a single overtime and another going into a double overtime.

In the playoff game Theta Kap started off with a bang with two quick hoops and soon increased this lead to eight where it remained about the same for almost the rest of the half. TKP outrebounced SAE with consistency, especially off of SAE's offensive boards. With seconds left in the first half SAE had closed the gap to two points. Charlie Whitney got what seemed to be SAE's first offensive rebound and promptly laid the ball up again just before the buzzer and the teams walked off the floor with the score 19-19.

TKP started the second half as fast as they started the first. Everyone was waiting for SAE to come back as they did before but the boys from Humbolt Ave. just couldn't do it twice in the same game. Midway through the second half as SAE began to play a little tighter defense TKP executed several fast breaks to increase their lead to by more than 10 points. Their lead was never threatened for the remainder of the game. High scorers were Ron Prokarak, TKP, with 19, and Jim Christo, SAE, with 14 points.

SAE Takes I.F. Swim Meet by Edging Phi Gam

In as close an IF swim meet as has ever been recorded, SAE edged PGD 22-21 in this year's renewal of this annual event, on March 28, in the Alumni pool. An added feature of this year's meet was the shattering of the 160-yard relay record by SAE. Clipping nearly three seconds off the old mark set in 1955 by SPE, SAE raced home in this event to take an early lead in the point total. When Dave Bareiss splashed home victorious in the 40 yard freestyle, a runaway seemed in the offing for SAE, but Bob Berg of PGD nullified this lead as he won the 100-yard backstroke and repeated in the 100-yard breaststroke.

Art Hesford, a sophomore transfer from Coast Guard, also became a double winner as he won the 220-yard and 100-yard freestyle over close competition and his victories placed PSK a close third behind SAE and PGD.

The biggest upset of the day was saved until the last event. Bob Beckett of SPE was the solid choice to capture the diving contest, but fast-improving Tom Caste of PGD upset Bob by a close margin. SAE thereby replaced SPE, last year's winners, as the IF swim champions.

The Fraternity standings:

SAE 22	SPE 9
PGD 21	TKP 4
PSK 14	ATO 1
TX — LCA — AEP 0	

ENGINEER NINE TO MEET CLARK & NORTHEASTERN

With one game of their schedule already under their belts, the Engineers will now turn their attention towards games with Clark and Northeastern Universities, this coming weekend. Tech will play the Scarlets, in Worcester, on Friday afternoon, then will travel to Boston to meet the Huskies, on Saturday. Both games are expected to be hard-fought, but the Engineers hope to win handily against these two old opponents.

During the 1956 season, Tech met Clark twice, and, on both occasions, our cross-town rivals came out on the short end of 23-4 and 14-3 scores. The Boynton Hillers' hitting in the brief series was phenomenal, for they blasted out 18 safeties in their first encounter, and 16 hits in the second game. The highlights included a grand-slam home run by Sam Bramande in the first tilt, and a long four-bagger by Eddie Eidt in the second.

The Engineers also met Northeastern University during the previous season,

but the complexion of this game was a little bit different. The Huskies were one of the two teams able to hand the Techmen a loss last year, defeating them by an 8-2 score. Despite a long home run that Eddie Eidt hit over the left field fence, the Tech batters could do little more with George Dowd, Northeastern's superb hurler, and he limited them to only two hits while pitching no-hit ball over the last seven innings. Therefore, it isn't too hard to figure out why the Engineers want this game so badly on Saturday, and they will be definitely out for a victory.

Both these games will be exciting and interesting from a spectator standpoint. The Tech starting lineup will probably be: 1B—Dick Eddie; 2B—Don Ferrari; 3B—Eddie Eidt; SS—Dick Lisbon; LF—Sam Bramande; CF—Joe Bronzino; RF—Ray Abraham; C—John Matuszek; and P—Dave Ripple. Let's get out and cheer these men to a couple of wins! See you at the game, Friday afternoon!



Bronzino at Bat

TUFTS NIPS TECH IN SEASON OPENER

Well, spring is here, although the weather doesn't quite seem right for spring, and with it comes the national pastime—baseball. Officially the majors haven't started yet; but Tech has. Yes, Saturday the thirteenth saw the Techmen facing a Medford team called Tufts.

For those who are superstitious the date was bad enough; but for those who aren't, the weather for the past couple of weeks substituted for this fear, and sadly enough the Tech nine dropped their first game. It can be well imagined that the weather was quite a hamper to Coach McNulty and his team. The Techmen were only out a few times before mid-term vacation, and were only able to practice twice before the game. No matter how good a team is, they need practice.

Despite the lack of practice the boys

from W.P.I. managed eight hits and seven runs, against Tufts eleven hits and nine runs. Granted that they made a few errors, but they also made some pretty neat plays too. An example of this was Dick Johnson's beautiful stop at first base. A hot one-hopper was hit right down his alley and Dick succeeded in knocking it down and thus putting in an end to the big rally Tufts started in the fifth inning. Don Abraham also put some water on the Tufts fire with some brilliant relief pitching. The Techmen played their hearts out, as was exemplified by Joe Bronzino with his unsuccessful attempt to snag a long ball way out in center field, and Sam Bramande, who had the tough job of chasing the hard hit balls up on top of the left field hill.

ROGER R. LAFONTAINE

NEW AWARD—From Page 1

A selection board comprised of Lt. Col. Charles E. Burner, Capt. Richard J. Tamplin, 1st Lt. Harold B. Phillips, and Dean Ernest W. Hollows has been appointed and will meet the 22nd of this month.

A point system to aid in the judging has been set up which clearly demonstrates that the recipients must be well-rounded individuals not only having achieved success in the ROTC program but in all campus activities, scholastic and extra-curricular.

Following is the point breakdown as determined by the Department of Army:

Military scholarship and grades (ROTC grades)	50
Academic scholarship and grades (Grades earned in all courses other than ROTC)	50
Military leadership	50
Academic leadership (Separate from academic grades attained in ROTC, includes all demonstrated qualities of leadership in all scholastic and other related activity, such as leadership in student organizations, constructive activities, participation in sports, etc.)	50
Demonstrates qualities of discipline, courtesy, and character, or consistently demonstrates potential qualities as an officer	100
Total point weight against which leading students are selected	300

HONOR SOCIETY—From Page 1

Also elected for Associate Members were: Crosby L. Adams, Leland H. Baker, Jr., Robert A. Beaudet, Rene R. Bertrand, Robert K. Crane, John P. Densler, Adi Eisenberg, Stephen Z. Gunter, Alan R. Gustafson, Walter C. Dress, Norman R. Landry, George H. Long, Jr., George J. Jitsis, Victor L. Moruzzi, William W. Rawstron, Donald B. Rising, William A. Saxton, Ralph P. Schlenker, Robert K. Schmidt, John G. Smith, Arthur F. Sullivan, Alexander Vranos, Joseph J. Weber, Robert P. Weis, and Robert A. Yates.

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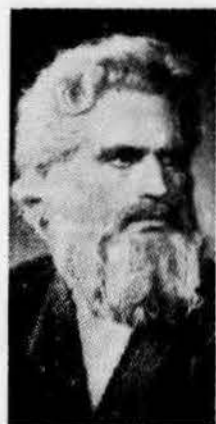
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"I joined IBM for two clear-cut reasons," recalls Bob. "First, the tremendous company growth obviously offered every chance for advancement. Second, the work area was exactly what I was looking for—transistors and their application to computer systems."

Bob entered IBM's voluntary training program in June, 1955, where he studied the entire organization, its divisions and diversified products. He received technical training in computer logic, programming, and components such as transistors, cores and tapes. By September, half his day was being devoted to an actual project; by the following March, he was on this project full time. "Our job was



The "small-group" approach to research

to transistorize six servo-amplifiers for the MA-2 bombing-navigational system," he recalls, "and we completed the project in April."

In IBM Research (as in all IBM) Bob works in a small group. "Our team consists of three E.E.'s and a technician. We start with analysis and synthesis work involving math and systems logic. Then we use the 'black box' approach." His group splits up occasionally to research special phases of a project but reunites in frequent sessions to coordinate activities.

Promoted to Associate Engineer

In August, 1956, Bob was made an Associate Engineer. From April of the same year, he had been working on a new Government project. This was "to design and develop a transistorized radar data presentation system for the MA-2 system." Basically, this was a research program in sample data theory and the develop-

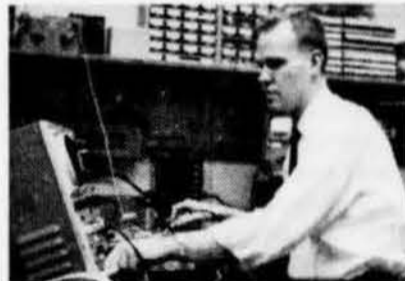
"What's it like to be

**A RESEARCH ENGINEER
AT IBM?"**

Two years ago, college senior Robert Thorpe asked himself this question as he worked toward his E.E. at the University of Toledo. Today, an Associate Engineer in the Applied Logic Group of IBM Research, Bob reviews his experiences and gives some pointers that may be helpful to you in taking the first, most important step in your career.

ment of a system containing both analog and digital components. Bob still works on this project—toward a completion date of April, 1957.

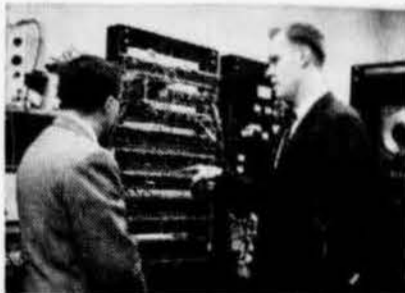
Shortly after this program started, Bob joined the Applied Logic Group.



Plotting transistor characteristics

Here, he was concerned with research in new areas of computer technology—for example, cryogenics and high-speed memories. Bob studies systems which operate on "real time," and his immediate problem is to analyze and synthesize closed-loop sample data systems for the control of complex data processing.

Asked what his most interesting assignment was, Bob replied, "My



New areas of computer technology

work on a digital-to-analog converter with a high degree of sensitivity and accuracy. This strictly electronic converter, with transistors, combines both digital and analog circuitry. It was a tough problem, and a fascinating one."

What does the future hold?

At the present time, after two years in IBM Research, Bob is more than enthusiastic about his future. He plans to continue in systems study and to develop "a more sophisticated approach." Two lines of advancement are open to him: to Project Engineer,

the administrative side, or to Staff Engineer, the technical side of Research. "Either way, I'm sure I'll get ahead," Bob feels. "Electronics research is really on the move at IBM. We have about 600 people at Poughkeepsie now, as against 56 in 1950. We'll need some 1,700 before 1960 to help staff a new research laboratory at Yorktown Heights, Westchester County, N. Y."

What does he like best about IBM? Probably the fact that he's so much "on his own." "There's no 'over-the-shoulder' supervision," he says. "You schedule your own program and create your own 'pressure.' And, if you



Promoted in fourteen months

feel the need for more education, IBM provides every facility for continued study. Besides the voluntary training programs, there are excellent afterhours courses offered by the IBM Department of Education. And you have a chance to work toward advanced degrees—at IBM expense."

IBM hopes this message will give you some idea of what it's like to be an E.E. in Research at IBM. There are equal opportunities for E.E.'s, I.E.'s, M.E.'s, physicists, mathematicians, Liberal Arts majors, and Business Administration graduates in IBM's many divisions—Product Development, Manufacturing Engineering, Sales and Sales Assistance. Why not drop in and discuss IBM with your Placement Director? He can supply our brochure and tell you when IBM will next interview on your campus. Meanwhile, our Manager of Engineering Recruitment, R. A. Whitehorse, will be happy to answer your questions. Just write him at IBM Corp., Room 11804, 590 Madison Ave., New York 22, N. Y.

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