**Infographic Move To Gain More Space**

Sweeping changes will soon be made in the student activity office situation. Mr. Donald Walker, chairman of the desk arrangement committee, said today that arrangements are expected to be completed by the end of the term. The changes, which will take place during the spring vacation (March 24-31), will provide free rooms and board for those who have been regularly employed by the student Activities Office. The changeover will be scheduled for the summer months and will include the installation of a Stouffer dietitian and the assumption of control of food services in the dormitory system. It is expected that the students will resume classes next September.
letters

To the Editorial Chairman, The Tech

At a meeting of the Porters last Friday, the Housing Manager, Mr. Henry K., said, "Mr. Dow's statement was in my mind a scurrilous attempt to make fun of the Porters. He could give you six months notice and let you go." Mr. Dow is ungrateful to question his pronouncements. Is Mr. Dow suggesting that we as a group are not only superfluous but also tainted with some discriminatory overtones?

The only group who seem to be bearing the brunt of the new rules going into effect concerning the cleaning of rooms is the porters. Mr. Dow is adding insult to injury by suggesting that we as a group are not only superfluous but also ungrateful to question his pronouncements. Is Mr. Dow speaking for the MIT corporation, or am I correct in assuming that the corporation would do much to alleviate the uncertainty and the resentment that Mr. Dow's remarks have caused.

Joe Green
Sixth Floor porter

Editor's comment—It is evident that the Institute's announcements are not only offending the students, but the porters as well. It is equally evident that the manner in which the announcements are made lack a certain amount of clarity and tact. It is hoped that Mr. Green's questions will not go unanswered.

reviews

Saidenberg Chamber Players

On Sunday, March 10, at 3:00 in the afternoon the MIT Humanities Series presented the Saidenberg Chamber Players in a program including the works of Cesar Franck, W. A. Mozart, and Johannes Brahms.

An extremely well balanced group the Saidenberg Players performed a quartet with piano, a quartet with oboe and a quartet with clarinet with the greatest of ease. Ordinarily your reviewer does not particularly like chamber music but this was one of those wonderful exceptions. Everything that could possibly be achieved through interpretation was there—softness yet delicate, bold yet not overbearing.

From time to time this reviewer has commented on the splendid performances of the Saidenberg Audition for various musical events, and it is fitting that we should not overlook chamber music in this respect. As has been mentioned before, Korenge is excellent for the microphone, the piano, and the voice. This is true because there is practically no reverberation in the building and the sound carries to a wall and is killed. An effect such as this best shows off these various things. On the other hand organ music is best played in a structure where there is a considerable amount of reverberation and the sound remaining after the release of the organ. We will redound the building several times blending everything with everything before it dies away to nothing. This Korenge will not and cannot do. With respect to the Saidenberg music we again find that a lack of reverberation is pleasing for the enjoyment of this medium of music and, moreover, the stage of Kresge jutting way out from the audience makes it almost impossible for Chamber groups who should play where the audience can be more intimate.

The concert was well received by a very enthusiastic audience and this reviewer wishes to remind you that the fifth and last concert sponsored by the MIT Humanities Series will be on April 5th with Ernst Levy in a piano recital.

—Allan C. Longden '57

The Tech

WEDNESDAY, MARCH 13

Operations Research Seminar. "Competitive Bidding Strategies" by Arthur Frederick, Operations Research Group, Case Institute of Technology. ROOM 2-333, 3:00 p.m.

Evans Research Corporation. "Microwave-Ba c k-we d-W a ve O racles." Mr. Georges Moustak, Microwave Research Laboratory, Brooklyn Polytechnic Institute. Refreshments will be served in Room 10-210 at 3:30 p.m.

Civil and Sanitary Engineering Department. Hydro- mechanics Laboratory. "Applications of Fluid Mechanics Techniques and Applications." Horace G. Farmer, Research Associate, Hydro-mechanics Laboratory, Institute, Woods Hole, Mass. ROOM 2-203, 4:30 p.m.

Nuclear Engineering Seminar. "Scattering Theory of the Photons and Neutrons" by Albert Payson, Everett Fuller, of the National Bureau of Standards. ROOM 4-120, 4:30 p.m.

Mathematics Department. Harvard-MIT Joint Math- ematics Colloquium: "Banach and Hypotonic Partial Differential Equations." Professor Polly Fuller, Depart- ment of Mathematics, University of Yale, New Haven. Tea will be served in Room 2-290 at 4:30 p.m.

Biology Department—Biochemistry Division. Har- vard-MIT Biochemistry Seminar: "Esterification in the Synthesis of Diaminoacetic Acid." Dr. Charles G. Fung, Department of Biochemistry, New York University. Tea will be served in Room 4-120 at 5:30 p.m.

Wednesday, March 13

Mrs. Dow's remarks have caused a stir among both freshmen and sophomores. The question has been raised whether the Institute is attempting to make fun of the Porters. This question has been raised whether the Institute is attempting to make fun of the Porters. This is not the first time that this has happened, and it is not the first time that the Institute has been accused of trying to make fun of the Porters. The fact is that the Institute is trying to make fun of the Porters, and this is not the first time that this has happened.

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ON CAMPUS INTERVIEWS

March 14, 15

Register at Placement Office

Science and Technical Positions

Invites... candidates for Bachelor's and Advanced degree in mathematics, physics, or engineering to meet with engineers of the Technical Staff engaged in research and development of electronic and communication equipment for military use. Opportunities in mathematics and physics as well as in other technical fields are available. Rewards of research and development are open to people interested in a practical approach to scientific problems. Ability to work with others and technical skill are of utmost importance. Every employee of JPL has the opportunity to contribute to an important mission of the United States Government. Positions are available for students on a full-time basis and for persons who have completed graduate study. Opportunities are available for part-time employment as well.

An Aerojet-General representative will be on campus on MARCH 13. Contact your Placement Office for details.

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Scientists
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For help in this case, those concerned should go to Mrs. Lat's office. Room 14-8136, early in the spring term and fill out a set of forms 109; then it will be necessary to ask the graduate school to fill a Form 109 with the applicant's Draft Board prior to the expiration date of his present deferment. He must also request his own deferment, emphasizing his test score or high grades, or both.

After graduation, the student may apply for six months active duty with the help of his employer if he has a degree in a critical course and has taken a critical job.

Critical activities - Chemistry: Engineering (all branches); Geology and Geophysics; Mathematicians; Microbiology and Botany; Physics; Teaching, college and vocational in critical occupations only, and high school in mathematics and physical and biological sciences only.

Three courses marked with an asterisk are limited to those having graduate degrees or equivalent experience, education and training (generally considered not less than one year beyond bachelor degree level).

Critical Activities as of January 6, 1956,

Production, maintenance, and repair of military aircraft and component parts; engineering and design of ships and boats and their components for military purposes; production and maintenance of weapons (including machine weapons and guided missiles) as component parts; production of electronic and communication equipment for military use.

Production of materials specifically used in propulsion for boosted or guided missiles, aircraft, armaments, rockets and similar weapons, as well as the processing of the materials into propellants, exclusive of conventional fuels; production of high temperature resins and other chemicals used specifically in the production of boosted or guided missiles, aircraft, armaments, rockets, and similar weapons; operation of water and sewage systems; college, vocational school and high school instruction in mathematics and physics and biological sciences; basic and applied research, exploration and development projects, including process development, of the physical sciences, sanitation, health, safety, or interest.

(Continued on page 4)

Mathematicians

Physicists

Engineers

The Ramo-Wooldridge Corporation

Invites... candidates for Bachelor's and Advanced degrees in mathematics, physics, or engineering to meet with engineers of the Technical Staff engaged in research and development of electronic and communication equipment for military use. Opportunities in mathematics and physics as well as in other technical fields are available. Rewards of research and development are open to people interested in a practical approach to scientific problems. Ability to work with others and technical skill are of utmost importance. Every employee of JPL has the opportunity to contribute to an important mission of the United States Government. Positions are available for students on a full-time basis and for persons who have completed graduate study. Opportunities are available for part-time employment as well.

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(Continued on page 4)
his deferment in Class 2-A and apply for a 3-year tour of duty.

Grades and background may be helpful in certain programs.

For those who are drafted into the Army, there is a scientific and professional prerequisite program. This program assesses the applicant, if he can qualify, an interesting assignment in the Army as a Private.

The Naval Officer candidate program provides an opportunity for college graduates to receive a commission in the United States Navy after four months of indoctrination at Officers' Candidate School. Upon commissioning from the Newport, Rhode Island, school there will be a three-year tour of duty.

To qualify for this program, one must hold a college degree, but may apply six months prior to the receipt of the degree. This technical background may be helpful in certain phases of certain courses; however, it is not a necessary pre-requisite, and the record reveals successful results by applicants from any and all backgrounds.

These applicants for the line officer status must have 20/40 vision, and staff and restricted line officer candidates must have 20/100 vision. All must pass a complete transcript of his grades. The case Induction Notice before doing so. His Board will take into consideration the scores on the SS College Qualification Test and may request a Form 199 giving his place in class as a Science, or they may require a complete transcript of his grades. The case then goes to the Selective Advisory Committee attached to the District Headquarters for Selective Service in the State in which he worked. Upon completion of six months active duty, scientists and engineers who fulfill their obligation by continuing to be employed on a critical job are placed in Stand-By Reserve instead of Ready Reserve.

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MIT Mermen Fail
At New England;
Brown Gets First

This week the MIT Swimming Team put forth a spirited but fruitless effort against an overwhelming lineup of the N.E.L.S.'s best swimmers. Tech's men's team walked out of the UConn meet without having scored a point in the 413 school meet. This poor showing can be partly attributed to the illness of some of the team's most promising members. Dave Bryant '57 was in the infirmary with infectious mononucleosis, while the beam's other diver, Dave Cahndler '59 had to keep out of the meet because of a spinal injury.

Bryen in the past had beaten Pete Lavin of Springfield, winner of the event last week-end.

Despite the swimmers' disappointment, the UConn event provided much excitement. Bill Yarpey, the only American Gold Medal Olympic swimmer, gave an exhibition. The 220-meter butterfly man swam his event in 2 min. 6.4 seconds—3 seconds less than the NCAA record set concurrently at Harvard.


Only four of this year's team will graduate in June. Though these men, Harry Dunn, Bob Hiff, Bob Jantzen, and Wunenfegg have made outstanding contributions this year, the team can look ahead to success next season.

MIT Merlinons Take Title;
Tech Teams Tops In New England

Last Saturday the MIT Varsity Rifle Team defeated the Coast Guard Academy, Presidency College and Mid-Norwich U. to capture first place in the New England Collegiate Rifle League. The Tech sharpshooters turned in a 1620, their best score of the year. Norwich followed closely with a 1616.

These matches climaxed the annual competition between the 18 teams in the N.E.C.R.L. High scoure for both MIT and the match was won by Joe Jennings '58 with a 288. Close behind him were Robert Baack '57 with a 285 and Harry Johnson '57 with a 283. Bob Poliari '50 with a 283 and Dwight Johnson '59 with a 281 completed the top four on the team.

In addition, to the tech player, Bergwall was awarded a medal for the highest air rifle score during the season. Bob average 284 to take home the award.

At New Englands; Brown Wins

Meeting the University of Connecticut Saturday, in its third and final indoor dual track meet, MIT put up a fine fight against three points, 98-65.

U. Conn surged in an early lead with an unexpected sweep of the broad jump, where Johnny Maisel '59 led, and Fred Morefield '57 led Tech back by winning the weight throw and throwing second in the shot-put. With very poor and unsatisfactory facilities for the pole vault and high jump, Tech was held to a tie for second and a tie for first, in both events. A sparkling performance by Larry Lutteriger '58 added ten points to MIT's score as he won both the low and high vaults.

In the relay of the 60-yard dash, Ross Brown '59 and Bob Williamson '58 strode to first and second places. Following behind Connecticut's stellar lead of lead on the opening leg which they set, the frosh relay gave the frosh relay a good start. Bill Duffy, Glenn Bennett, and Ed Bell, the three Tech runners, made outstanding contributions this year, the team can look ahead to success next season.

The nimrods are expected to be "up" for this crucial match. This is the second time Tech has taken the New Englands. The strength and balance of the team are reflected in the fact that several of the men on this year's squad have been named to various "all-star" teams. With a strong distribution of talent throughout the 18-man squad, prospects for the next few seasons are equally as bright.

UConn Surge Nips MIT Trackmen In Final Indoor Meet

Meet the University of Connecticut Saturday, in its third and final indoor dual track meet, MIT put up a fine fight by three points, 98-65.

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Baseball Team Makes Ready For Opener; Varsity And Freshmen Have New Coaches

With its first game only four weeks away, the MIT baseball team has been holding practices in the armory. Prospects are fair for a third consecutive season. The team is several good players from last year's freshman squad which, led by good hitting and a strong infield, was the first in several years to break into the win column.

Three players include first baseman Larry Johnson, center fielder Harold Goodman, and pitcher Al Baird. Karl Walterschenkirs, a transfer student, is another addition, and should help out at first base.

The squad will be led this year by co-captains Al Richman, shortstop, and Pete Hoberst, outfield, both seniors. Other members rounding out their college diamond careers are Bob Fleischer and Chuck Speer. Juniors Walth Ackerman, Dick Ellen, and Bert Davis will help out with the hitting and fielding chores.

With three hurlers missing from last year's team, pitching may be the biggest hurdle which Coach Whitelaw will have to overcome. Marty Bresler '57, Frank Henrick '58, and Carl Auer '59 can be taken for granted, but a well rounded team should be ready to face Harvard on April 10.

Ten of the eighteen games on the schedule will be away, with only two Saturday games played here on Briggs Field. In addition to Harvard, there are single games with Lewiston, Colby, Bowdoin, Trinity, Wesleyan, Connect Academy, and WPI. Double matches are scheduled with BU, Brown, Boston College, Tufts, and Northeastern.

The freshmen baseball team has also been working out, and the members of the Class of '60 have looked impressive. They have one of Tech's three new coaches this year in Ed-don Kinski, who is a former Harvard shortstop and captain of the baseball team. He is a native New Yorker, who remains so by birth. He has been interspersed only by a hitch in the service. In addition to his coaching duties, he is a student in Harvard Graduate School. Kinski takes over Coach Whitelaw's old spot.

The freshmen play an eleven-game schedule, including games with Harvard, BU, Middlesex, Roxeter, New-tom Jr. College, Norwich Academy, And- over, and Tufts. Six of these contests will be played here at MIT. Last year brought the first improvement in fifteen years, and this improvement should be continued under the tutelage of the new mentor.

All of these games should be interesting contests, and the fans hope that many people will come out to watch and to root for a successful season. More fun than watching is picking and pinning athletes interested to contact Coaches Whitelaw or Krinski.

What a MATHEMATICIAN can do at IBM

Mathematics is an ancient but ever-developing science that contains many forms. It shouldn't surprise you then that it took some time before John Jackson discovered one breed of mathematicians that seemed to have been tailored to his ability and temperament. John is an Applied Science Representative, working out of the IBM office at 122 East 42nd Street, N. Y. C.

First of all, what's it all about? What does a fellow like John Jackson do all day? In his own words, "I keep in touch with the executives of many companies—advising them on the use of their IBM electronic data processing computers. I personally interview with these customers, and analyze their scientific and technical problems for solution by IBM. Occasionally, I'm asked to write papers, and give talks and demonstrations on electronic computing. All in all, it's pretty fascinating—something new pops up every day."

In short, John has been working as a computing expert, a consultant, and a very important person in this coming age of automation through electronics.

Like many of the IBM laboratories are always developing easier and faster ways to solve the problems of the commercial, and industry, an Applied Science Representative's job may be learned by his job and that's the end of it. At least once every two months, he attends seminars to be updated on the latest developments in engineering and operations research.

Introduces new methods

During the two years that John has spent with IBM in Applied Science, he has gained invaluable IBM customer's point of view on new and better ways of doing things electronically. For example, about a year ago, a leading aircraft manufacturer wanted to experiment with a radically different design for a nuclear reactor. Although the basic format had been established, the project still required many months of full with mathematical equations.

The aircraft people decided that they couldn't afford to wait that long, so they called IBM. After discussion with top executives, John helped to develop a computer program that solved the project in under 100 days. At the same time, he worked with this company's own employees, training them in the use of IBM equipment. John still drops in around to see that everything is running smoothly.

Another service that John performs is the constant reappraisal of each customer's IBM operation. Occasionally, a customer may tie himself in knots over a procedural "sticker." Periodically, in these cases, John brings IBM customers together—just to talk over what's happening in each other's business—how everybody else handled that old bugaboos in any industry...details.

New field for Mathematicians

John is exercising his mathematical know-how in a field that was practically unheard of ten years ago. Even now, this kind of work may be new to you. It was a John Jackson a few years back when he was an undergraduate at the University of Colorado. During that time, he was considering actuarial work or mathematical research. But John liked the excitement and diversification of science and industry and he wanted to use his

mathemastical background in both of these areas. It was not until he was interviewed by IBM that field computing whetted his scientific appetite. A few months later, John launched himself into his career as an Applied Science trainee.

From time to time, John has come to a long way since that time. He's now an Applied Science Representative in one of the busiest, most responsible offices in the IBM organization...mid-town Manhattan.

He and his wife, Katherine, and daughter, Lisa, 20 months, and John Jr., 6 years, enjoy his suburban Fort Washington home. He's happy to work and he's happy to be married. And then too, John knows a few vital statistics about IBM...such as the fact that the fast-growing electronic division has doubled during the past three years, and that in 1956 alone, over 70 promotions were conferred. If ever a future held promise, here is one.
BAA Relay Win Highlights Winter Track

The indoor track season opened Saturday, March 9, for MIT as the mile relay, running against Providence in the M.I.T. Meet, took second place in a close race to R.C. Games.

Coach Grady, the relay team stayed at the hotel to win over Providence, B.U., Fordham, Columbia, and Bowdoin who all beat Tech by a small margin. Tech's first dual meet was with Northeastern Uni-

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No examination is required for appointment as a Patent Examiner if you have a college degree in any field of engineering or applied science.

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The minimum salary is $4,400 per year. New Patent Examiners are eligible for an increase to $5,350 after 6 months' service. It is possible for an examiner to be increased to $8,515 and eventually to $15,000 after graduation from college, and substantially more with longer service.

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aminer, who sits on the Board of Appeals, Examiners of Interferences, who deal with priority contests, a Solicitor who represents the Patent Office in the courts and managed by engineers is a team effort in research and development.

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VACATIONS

During the first three years you will be entitled to 13 working days of vacation, or two full weeks plus three days granted. If you work over 550 hours of service you will be entitled to 20 working days away from the Patent Office. Sick leave and pen-

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Interests to be held Thursday, March 14 and Friday, March 15, 1957 may be arranged through the Student Placement Center.

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Crimson's Heckerick Wins Second National Squash Title At MIT Meet

Rene Heckerick, Harvard '58, won the intercollegiate squash championships held at the MIT courts March 6. He won the championship for the second straight year, but played effortlessly and did not lose as much as one game until the finals where he defeated Ben met John Griffiths of Navy in the finals. Griffiths surprised the champion in the first game with a very hard serve, but was the upset of the year in the final. Heckerick then settled down to play free, steady game, and his aggressive opponent was no match for him. The scores were 12-15, 15-10, and 15-7. Monta Sulacek, first ranked amateur squash player in the United States, says that Heckerick is one of the top amateurs in the country. Harvard also won the team tournament match, which is based on the number of matches won by each school in the tourney. Individual qualifying tournament was held by C. P. Heir, Harvard's number two player, but won in the championships.

MIT Captain Tomos Thomas '57 had the edge over Poindexter in this match. Theresa County was upset in the first round by her Success of Dart- mith in five games. The scores were 18-15, 16-15, 15-13, 15-15 and 15-11.

Tech Puclchmen Lose

To Strong U. Of N.H.

Team In Final Game

A 5-2 defeat at the hands of the University of New Hampshire last Thursday marked the close of Tech's 1956-57 hockey season. The game, played on the victory tour, was the thirteenth straight setback for coach Ben Martin's forces.

During the early stages of the game MIT strove desperately to gain its first victory. For a while it seemed as though they might pull out a small lead. After La Croix drove first blood for UNH, "Bert" Coleman '57 kicked the count up to one against, 6:50, Le Clere tallied again to give the lead back to the skaters in the first period. One more goal by each side made the score 5-5 in favor of UNH.

After this, however, the game was all UNH as they put two more goals through the nets in the last period to up the deficit.

Paul Scala '58 and Paul Koh-

berg '58 completed the second score. Dick Meggie '57 and Dick Burke '58 added the goal-scoring honors for the Beavers.

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Because of the work of Dr. A. M. Gaudin, Richard Professor of Engineering, uranium can be recovered from ores up to a hundred times leaner than had been thought possible.

Dr. Gaudin recently received the Robert H. Richards award for this work at the annual meeting of the American Institute of Mining, Metallurgical, and Petroleum Engineers in New Orleans.

The work began during World War II when the Manhattan District, which faced the group was, how could the uranium in sulphuric acid leach the uranium in sulphuric acid

- -

New Levy Symphony
In Boston Premiere
At Kresge, March 15

The Boston premiere of Kauter's song cycle, "Chamber Music" and Prof. Ernst Levy's "Chamber Symphony" will be held in Kresge Auditorium on Saturday, March 15.

Both "Chamber Music," which is heard on poems of James Joyce, and the Symphony, were composed in 1951 and first performed in 1952 at Mandel Hall of the University of Chicago. The premiere performance is the second anywhere of Prof. Levy's Symphony No. 12.

"Chamber Music" is written for three voices and a string quartet, and the symphony is performed by eleven players, with three voices in the upper and the bass movement.

The two pieces will be performed by members of the Boston Symphony Orchestra, with Polyxeni Zagarou, soprano, Margaret Davidson, cello, and Richard Gillies, tenor, singing the vocal solos.

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Tan Beta Pi Elects
New Pledges To Be Initiated In April

Tan Beta Pi, the national honorary fraternity, has elected new pledges. Requirements for admission are that all future members be in the upper one-fifth of their class, and seniors in the upper one-fifth of their class. Character and service are also considered.

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