

The Tech

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5 CENTS

MIT Men Play Key Role In The National Student Association Meet

MIT students played a key part in the National Student Association Congress held at the University of Michigan from August 20 through 30.

Arnie Amstutz '58 spoke against a resolution which would have the NSA distribute all pertinent information on the radioactive fallout problem to all colleges in the U. S. Amstutz

brought the weight of MIT's scientific reputation to bear in defeating the resolution on the grounds that opinion is so widely divided on the issue that it would be futile to try to compile all the diverse opinions held by scientists throughout the country.

The problem of discrimination in fraternities and sororities was also considered. It was resolved that discrimination due to race, religion, or sex should be abolished. "Discrimination due to sex" was in reference to the difficulty women have in being accepted by many colleges, and is not applicable to the discrimination problem in fraternities and sororities.

The resolution noted that the NSA would be opposed to any rules which would force fraternities to pledge the members of any particular group.

Concerning discrimination in general, the NSA reaffirmed its stand calling for racial integration without undue delay.

Delegates from MIT included Jerry Stephenson '59, the MIT NSA Coordinator, who was elected chairman of the New England Region, Arnie Amstutz '58, President of Incomm, George Affort '58, Larry Bishoff '59, the Walsh '58, Charles Moo '58, and Eugene Zoba '59.

Keynoter of the convention was Dr. Buell Gallagher, president of CNY. "Soapy" Williams, governor of Michigan, and Hubert Humphrey, Senator from Minnesota, also spoke.

New Techniques And Better Equipment To Soothe WTBS Fans

The addition of a new studio has added a new dimension to the hundred-hour weekly programming of station WTBS, MIT's radio system that employs a 100-man staff and over \$15,000 worth of radio equipment. Studio B, created through the effort and funds of the station's undergraduate staff, will facilitate news program coordination and allow a more fluid use of the station break.

The announcer using studio B will be his own engineer, controlling the transmitting equipment from the microphone. Thus news programs do not have to be precisely timed and the announcer can cut himself off at his leisure.

The station break, or simply a change of speakers, will not involve scrambling for the microphone or shuffling of scripts, but simply a switch from one studio to the other.

Studio A, which has served the Institute since 1946, will still be used to broadcast recorded music as a separate engineer is needed to complete the transition from announcer to record.

Another WTBS acquisition, a new portable Ampex tape recorder will allow transcription of remote control broadcasts as well as programs originating in the studio. This recorder will be invaluable as a storehouse for the memories created on the sports arenas.

Boop! An avid freshman, glued for hours to WTBS, will become accustomed to hearing the new time tone. This watch-setting opportunity is now available every hour on the air. The station is on the air. These and small amplification additions are constantly increasing the amplitude of the station and will

(Continued on page 6)

Registration Reaches All Time High; As Usual Freshman Line Is Longest

Registration lines were longer than ever yesterday. Undergraduate and graduate student enrollment reached an all-time Institute high of 6150. The longest line was, as usual, the 900-man freshman throng.

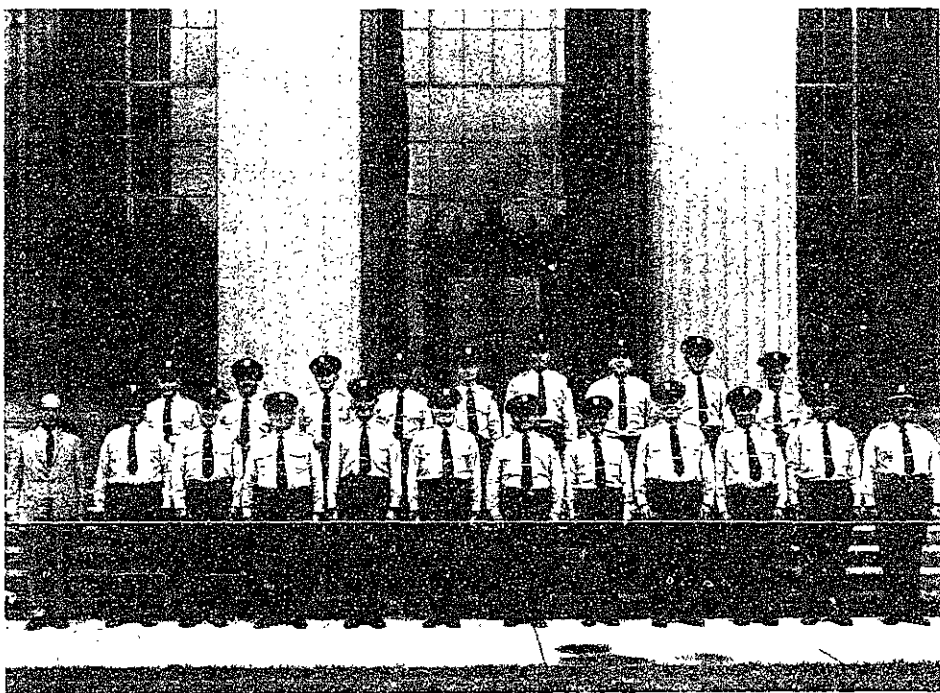
As usual, the Class of '61 is expected to contain a great amount of athletic talent. If it follows former patterns, about a quarter of the entering freshmen were varsity team players in high school. Over sixty were team captains.

None of the athletes entered MIT on athletic scholarships, however, for the Institute awards none. About one-third of the new freshmen, nevertheless, are receiving scholarship grants on the basis of academic promise and financial need.

It is expected that in addition to being talented, more than one hundred of the new men were class officers in high school and more than four hundred were club officers. They were also a hard-working lot, because about two out of three held after-school jobs.

Freshman distribution is widely varied. As might be expected, Massachusetts and New York men predominate. They make up more than one-third of the class. The other two-thirds come from all the forty-eight states, the territories, and over twenty-five foreign countries.

MIT's Finest To Patrol Campus; Will Tolerate "Student Activity"



A new sight at school, these men in blue will often be seen patrolling the campus; keeping order and protecting the rights and property of the MIT community. Harvey Burstein, in charge of the force, stands at the extreme left.

by David W. Packer

Tech's newest staff addition, the MIT police force, is composed of 19 uniformed men, distinguishable from regular policemen by the red MIT patch on their left arms.

These blue-clad men will patrol the Institute property twenty-four hours a day, keeping watch for any actions which might harm the MIT community. They are all constables of the city of Cambridge, and have full police power on the campus. Having nothing to do with security regulations, they join the seventy-plus Division of Sponsored Research guards as watchdogs of the Cambridge campus.

"MIT has just grown to such a size," explained Harvey Burstein of the DSR, in charge of the force, "that we thought it would be advantageous to have our own protective force." He stressed that the general conditions of the neighborhood in which the school is located and the problems which have arisen from such an environment pointed toward a need for the staff policemen.

Burstein also said that the men on duty will be "extremely tolerant of student activity", and that they will not interfere with waterfights or other collegiate happenings unless "they get out of hand."

The police addition, it is hoped, will cut down on such crimes as stealing typewriters or snatching purses, and can be of use in emergencies like last week's fire.

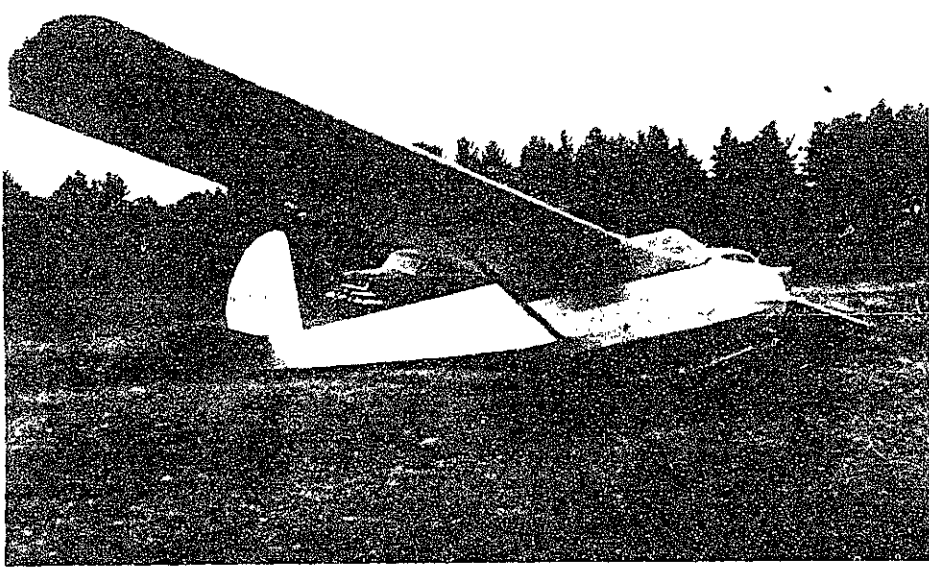
For crimes where the offender is found to be from within the Institute, the arresting officer will report him to the Dean's office; for crimes committed by someone not connected with MIT the offender will be turned over to the Cambridge Police Department.

The new force is also mobile, using as its car a new 1957 Chevrolet station wagon. This vehicle will be ready for any emergency, including use as an ambulance.

Most of the personnel for the force came from retired armed services men, and several transfers from DSR guard positions were also accepted. Their "chief" is Norman Sidney, an

(Continued on page 4)

Newly Reorganized Glider Club Has Thrills For Prospective Pilots



The MIT Glider Club's model 2-22, stationed in Barre, Vermont rests docilely on its wing in the traditional earthbound attitude of all gliders.

"To soar with the gulls in columns of rising warm air capped with fleecy, white cumulus clouds; to skip from thermal to thermal in order to cover great distances; to design and build new ships incorporating ideas at relatively low costs which, if successful, can be used on civil and military planes to increase speed and range without boosting power requirements; and to provide fraternity for aviation-minded people" has been described as the lofty purpose of the newly reorganized Tech Glider Club.

After being inactive for a year due to lack of support, the club was revived this summer by five soaring enthusiasts, who will comprise the Board of Directors: Steve Blom '51, glider instructor; Jean Duvivier, ground school instructor; Ivan Jaslic '58, technical projects; Frank Krentz '59, membership and programs; Edwin More '58, manage-

ment. The organization, under the auspices of the Aeronautical Engineering Society, is open to all students, faculty members, and employees.

At the present time, the club owns a trailer and a Schweizer two-place trainer, located at Hiller Field, in Barre, Mass. Plans are being made to move to Lawrence, where towing fees should be lower. The club's sailplane lands at 26 mph and requires less than 500 feet of landing field. While this glider is a utility ship, a high-performance plane is in the preliminary planning stages.

Special ground school lessons will be offered to acquaint the neophyte with the art of soaring. Upon the completion of the course, flying lessons must be taken before the student is considered qualified. Thirty flights, including eight hours of glider time and two of power, are required before a private glider pilot license may be obtained.

Student Government Questionnaire Probes Freshmen Attitudes

This year's entering freshman found himself in contact with student government even before arriving at the Institute. A thirty-page confidential questionnaire, prepared by a Wellesley psychologist, and included in freshman registration material, sought to sound out pre-matriculation attitudes toward MIT.

The initial questionnaire is to be followed by individual conferences with a selected sampling of the Class of 1961 in hopes that any existing shift in attitude among freshmen may be pinned down.

In his "Prospectus of a Study of the Motivations and Goals of MIT Students", Arnie Amstutz '58, President of the Undergraduate Association, explained that this attempt to probe freshmen's motivational shift upon growing used to Institute life was "the culmination of literally years of discussion involving members of faculty, administration and student body."

Why do the administration and student government wish to analyze so closely the newcomers' reactions to the MIT environment? With thousands of dollars and man-hours currently being spent on orientation, Amstutz feels "we have no real index of the accuracy of our conception of the attitudes and motivations of MIT students."

The questionnaire itself is divided into two main sections, one dealing with the freshman's experiences in secondary school, his deciding to come to MIT, and his expectations concerning this choice. The other section seeks information about career plans. Personal and family statistics are the subject of an additional group of questions. Miss Leila Sussmann, the Wellesley psychologist, counts on the questionnaire to "map the distribution on a few key responses reliably and to serve as some check on the representativeness of the smaller group being studied intensively."

Champ Parachutist To Tell Of Sporting Aspects Of Jumping

One of the world's best parachute jumpers will kick off tomorrow, a campaign to introduce the sport to MIT. Captain Jacques Istel, captain of the United States Parachuting Team at the Moscow Festival in 1956—where his team won first prize—will speak here at 4 p.m. His talk, "Sky-Diving for Sport", will be presented in room 3-370 by the Textile Division of the Mechanical Engineering Department.

Parachute jumping has already been recognized as an intercollegiate sport at Harvard, which won the title at the first intercollegiate parachute meet at Woodbury, Connecticut last May. Capt. Istel was director of the meet.

Istel will also appear on WGBH-TV tomorrow evening, as guest on the MIT Science Reporter program.

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editorial

Rush Week and Orientation Weekend are safely behind the Class of '61. Rush Week, at least, has been a statistical success. Enough freshmen have pledged fraternities so that the combined Institute (and Boston area) housing facilities can accommodate the student body. There is a bed for each student.

This is a crude way of determining the success of Rush Week, a way which does not even begin to do full justice to the aims and scope of the program. But it fully and uniquely justifies the TIMING of the program. The number of schools whose fraternities rush undergraduates this early in their college lives is tiny. The disadvantages in forcing a boy to make so big a decision before he has even become accustomed to his new school are so obvious that no school which had a choice of times would choose pre-freshman year rushing.

But here at the Institute there is no choice. There is not enough room for the entire freshman class within the dormitory system. Fraternities have the responsibility of housing one-third of each incoming class. To meet this responsibility, they must rush in September.

The situation here calls for a measure of sacrifice on the part of the undergraduate body, a sacrifice which we will, ingly or tacitly make in exchange for added laboratory, classroom, and other educational facilities. We, by our very coming here, choose these in lieu of a more ample dormitory system. Indeed, there is no reasonable plan foreseeable which will end pre-freshman year rushing.

This is not to say that a status quo rushing and orientation program is inevitable. Two undergraduate committees—one set up by the Interfraternity Council, the other by the Institute Committee—have, in the past year, advocated that Rush Week follow, rather than precede Orientation Weekend. They believe that there is a so-called "lack of enthusiasm" among freshmen, traceable at least in part to the way in which they are introduced to MIT.

Freshmen who attend Rush Week shuttle from dormitory cot to fraternity smoker; after almost a week here most of them know the story of the Techmen who welded a trolley to the tracks, but virtually all report complete lack of personal contact and familiarity with the MIT campus. They merely glanced at the buildings, were nowhere near

the athletic, musical, and literary facilities, saw no laboratories, met no professors. In fact, as they shuttled across the Harvard Bridge, they barely met each other.

Merely putting Orientation Weekend before Rush Week is the obvious first step towards correcting this almost-funny situation; both Inscomm and the IFC have tentatively set 1958 as time for this change. The fact that more than six hundred freshmen attended Rush Week this year, an increase of a hundred over 1956, should give these bodies still greater incentive to work toward that date.

review

Outstanding among the movies appearing in Boston this summer, *A Hatful of Rain* presents the problem of drug addiction in a dramatic and realistic manner.

Johnnie, newly married, picked up the habit while in a hospital recovering from war injuries. Since then he has been borrowing money from his brother Polo in order to buy narcotics. Johnnie is now deeply in debt to a group of "pushers" headed by a rather seedy character called "Mother" (Johnnie's real mother died when he was quite young). Johnnie has not told his wife about his addiction and is in danger of losing her because she mistakes his indifference to her (caused by dope) for love for another woman. Things are brought to a head by a visit from the brothers' father who has been promised some money by Polo, and is quite angry when he learns that Polo is broke, having given Johnnie all his savings.

As the story unfolds and we learn of the unpleasant life which Johnnie and Polo led when younger, we see what a failure the boys' father has been. In the present situation "Pop" makes things difficult for everyone by practically disowning Polo, again not seeing things as they really are. Pop's trouble then, is lack of a sense of reality. He is up in the clouds, living in the dream of how he would like things to be and never seeing things as they really are. The relationship between this problem and that of a dope addict is obvious if we remember that dope has the effect of taking one away from reality. Johnnie too is up in the clouds, in contrast to his wife who is a more down to earth character since she realizes the problem and is trying to get at the root of it.

The director has developed this theme of reality visually by many camera shots of high things (analogous to lack of reality or "up in the clouds") contrasted to shots of low things (analogous to a realistic outlook or "down to earth"). The movie opens with a shot of an apartment building, the camera starting from the foot of the building and then moving up to the top.

When Johnnie is thinking of suicide he goes to a bridge and we see the bridge contrasted with the water below.

The theme of reality is further developed by the title and the story behind it. Pop tells us of Johnnie as a boy, having heard that by working he can get a pocket full of money, he goes out digging in the ground and then looks in his pockets for money. It rained however, so instead of a pocketful of money Johnnie winds up with "a hatful of rain." Johnnie's lack of a realistic outlook is thus symbolized by the rain, something which starts up in the clouds and comes down to earth, and by the contrast between the pocket (low on the body) and the hat (worn high on the body).

The movie ends with a firm plea for a realistic outlook when Johnnie's wife finds out about Johnnie's drug addiction and immediately arranges to have him sent to a hospital where the habit can be broken rather than listening to Johnnie and Polo who insist that Johnnie can do it by himself.

It would seem likely that a film ending with a plea for reality would itself be realistic. *A Hatful of Rain* retains the simplicity necessary for realism without ever becoming dull or tedious. The almost unbearable tension is broken up with humorous scenes which never seem out of place. True, Mother and his gang of hoodlums are far from realistic, but this fault can be overlooked since they are extremely horrifying and consequently help build the tension. This film is an excellent example of just how artistic the film medium can be.

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FOOTBALL THROUGH THE AGES

The football frenzy is upon us. But let us in the midst of this pandemonium call time. Let us pause for a moment of tranquil reflection. What is this great American game called football? What is its history? Its origins?



First of all, to call football an American game is somewhat misleading. True, the game is now played almost exclusively in America, but it comes to us from a land far away and a civilization long dead.

Football was first played in ancient Rome. Introduced by Julius Caesar, it became one of the most popular Roman sports by the time of Nero's reign. The eminent historian, Sigafos, reports a crowd of MMCLDDXVIII people at the Colosseum one Saturday afternoon to see the Christians play the Lions.

With the decline of the Roman empire, football fell into disuse. The barbaric Huns and Visigoths preferred canasta. Not until the fifteenth century A. D. did football emerge from its twilight and rise to its rightful place in the firmament of European sports.

Which brings us to September 29, 1442, a date dear to the hearts of all football fans. It was on this date, according to the eminent historian Sigafos, that a sixteen-year-old lad named Christopher Columbus tried out for the football team at Genoa Tech. He failed to make the team because he was too light (He weighed at the time only twelve pounds.)

And why, you ask, is this date—September 29, 1442—so dear to the hearts of all football fans? Because young Columbus was so heartbroken at not making the team that he ran away to sea. And if that hadn't happened, he never would have discovered America. And if Columbus hadn't discovered America, the world would never have discovered tobacco. And if the world hadn't discovered tobacco, football fans never would have discovered Marlboro—which, as every fan knows, is the perfect companion to football. And why shouldn't it be? Look what Marlboro's got... Filter... Flavor... Flip-top Box... You can't buy a better smoke. You can't smoke a better buy.

The end of football in Europe came with the notorious "Black Sox Scandal" of 1587, in which Ed Machiavelli, one of the Pisa mob, paid off the University of Heidelberg Sabres to throw the championship game to the Chartres A. and M. Gophers. It was a mortal blow to football on the continent.

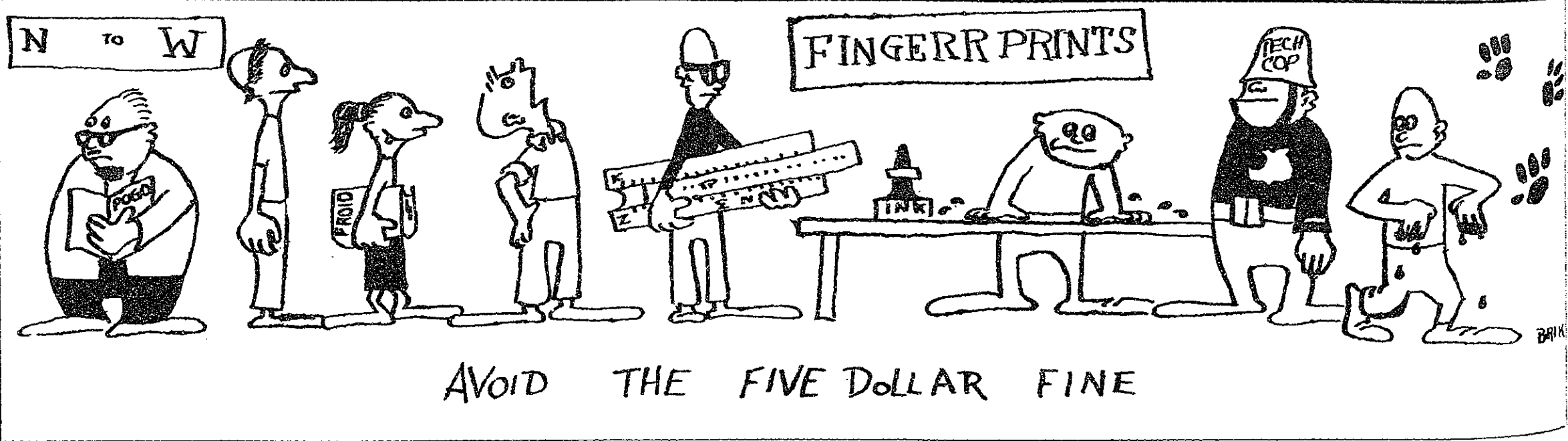
But the game took hold in the American colonies and thrived as it had never thrived before. Which brings us to another date that remains evergreen in the hearts of football lovers: December 16, 1773.

On that date a British packet loaded with tea sailed into Boston harbor. The colonies had long been smarting under the English king's tax on tea. "Taxation without representation," they called it, and feelings ran high.

When on December 16, 1773, the British ship docked at Boston, a semi-pro football team called the Nonpareil Tigers, coached by Samuel (Swiftly) Adams, was scrimmaging near the harbor. "Come, lads," cried Swiftly, seeing the ship. "Let's dump the tea in the ocean!"

With many a laugh and cheer the Nonpareil Tigers followed Swiftly aboard and proceeded to dump the cargo overboard in a wild, disorganized and abandoned manner. "Here now!" called Swiftly sharply. "That's no way to dump tea overboard. Let's get into some kind of formation."

And that, fans, is how the tea formation was born. Double your pleasure at next Saturday's game by taking along plenty of Marlboros, whose makers bring you this column throughout the school year.



Nation's Leaders To Honor Niels Bohr At Award Fete Oct. 24

Niels Bohr, who will deliver the Karl Taylor Compton Lectures here in November, will receive the first \$75,000 Atoms for Peace Award on October 24th in Washington, Atoms for Peace Awards, Inc. announced today. The presentation will be made during a special convocation of the National Academy of Sciences. President Eisenhower will head the distinguished body of government and UN officials, scientists, diplomats and industrial leaders invited to attend the convocation.

The award to be presented to Professor Bohr is the first of ten to be granted to those persons anywhere in the world who have made great contributions to the peaceful uses of atomic energy. The 71-year-old Danish Scientist and dean of nuclear physics was selected from among 75 candidates proposed by scientific bodies in 23 countries.

The Atoms for Peace Awards were created in 1955 as a memorial to Henry Ford and Edsel Ford. Funds are provided by the Ford Motor Company Fund which has authorized \$1,000,000 for the purpose.

The award to Professor Bohr will be presented by President Killian who is Chairman of the Board of Trustees of Atoms for Peace Awards. In addition to the \$75,000 prize, Professor Bohr will be presented a sculptured gold medal, executed by Sidney Waugh, well-known American artist.

A brilliant student as a youth, Professor Bohr opened up a whole new era in atomic physics when at the age of 28 he presented a basic theoretical work on the structure of the atom and contributed materially to the study of quantum physics. Since 1920, he has been director of the Institute for Theoretical Physics which he helped to found in Copenhagen. For more than three decades, the Institute has attracted scientists and scholars from nations throughout the world.

Key address at the convocation will be delivered by Dr. Arthur H. Compton. Dr. Compton, a leading American physicist and educator, was associated with the scientists who, working in a squash court at the University of Chicago, were able to announce on December 2, 1942 that controlled release of nuclear energy had been achieved. Sharing the platform with Dr. Compton will be Professor John A. Wheeler of Princeton University. A long-time colleague of Professor Bohr, Professor Wheeler collaborated with him in 1939 in studies which led to the identification of U 235 as the fissioning nucleus in uranium.

Professor Bohr will arrive in the United States early next month with his family. Bohr and members of his family.

Holley Medal Award to Dr. Draper For Gun Control System

The Holley Medal, awarded only to a "great and unique act of engineering genius" has been won this year by Professor Charles Stark Draper '26, head of the Aeronautical Engineering Department. Announcement of the award, last given in 1954, was made by The Society of Mechanical Engineers.

Dr. Draper discovered "a revolutionary new principle for controlling fire from moving platforms at long targets", making possible the development of efficient, compact aircraft control systems. This was a major factor in the successful prosecution of World War II. Application of this principle to jet planes increased the accuracy and range of their gunfire.

Dr. Draper is a native of Windsor, Conn. He received his B.S., M.S., and Sc.D. degrees from MIT, and has since served as Professor, Head of the Aeronautical Engineering Department, Director of the Instrumentation Laboratory, and as consulting engineer to many aeronautical companies.

Picnic, Mixer, Midway Highlight Frosh Weekend



MIT freshmen relax and enjoy the scenery at the Freshman picnic held at Wingearsheek beach. Or maybe they are resting after that football game in the sand!



The freshmen on the beach party also did justice to the food as seen here. That sea air must build up appetites.



Above is an overall view of the Activities Midway held in Rockwell Cage. The event was well attended and everyone seemed happy with enthusiasm shown by the frosh.



Underway at the Midway



Even the MIT women get into the ROTC act as Pat Andre parades in her air force blues at the midway.

Frosh Beach Party Success - For Sophs

by Gordon Gilbert

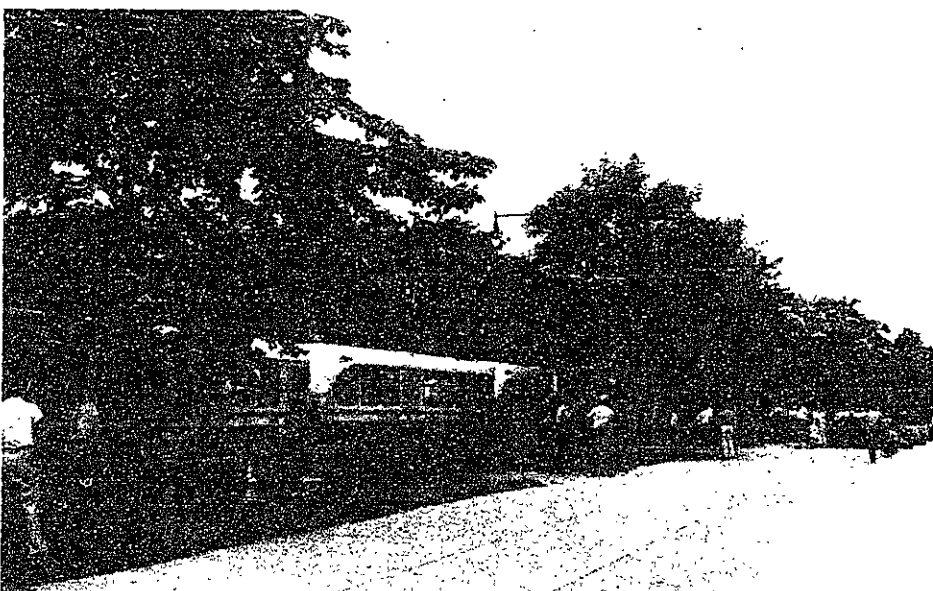
Although local residents later swore that Hurricane Alice had run off course, the 400 Freshmen, 24 Quadrangle Club (Sophomore Honor Society) members and 10 bus drivers who descended upon Wingearsheek Beach actually represented a Q Club sponsored picnic designed to acquaint freshmen with each other and Q Club members with freshman co-eds.

Although 12 buses were originally ordered to transport the Class of '61, two had to be left behind because of an unexpected attendance drop. A nefarious rumor was circulated warning that the picnic was actually a Sophomore plot to strand the Freshmen on a mountaintop near Montreal, Canada. Any existing anxiety, however, was quickly erased when short-

ly after the beach landing, several carloads of femininity also arrived. While early-starting football games were forgotten and freshman track shoes readied, Q Club members nobly intercepted the oncoming girls.

After a strenuous morning of activities ranging from football and softball to clam digging, little encouragement was needed to coax kicked shins and sore heads to a delicious, nutritious—well, anyhow, a meal. Lunch was marred only by the screams of the proprietor of the pop stand, who loudly protested the distribution of "free" food on his property.

The climax of the picnic, however, occurred when certain Sophomores, aware of hazing restrictions, incited the freshmen to dump one of their own numbers, complete with watch-chain and snap-brim hat, into the briny deep. Except for one half-drowned Freshman, all the visitors to Wingearsheek agreed that the afternoon had been a huge . . .

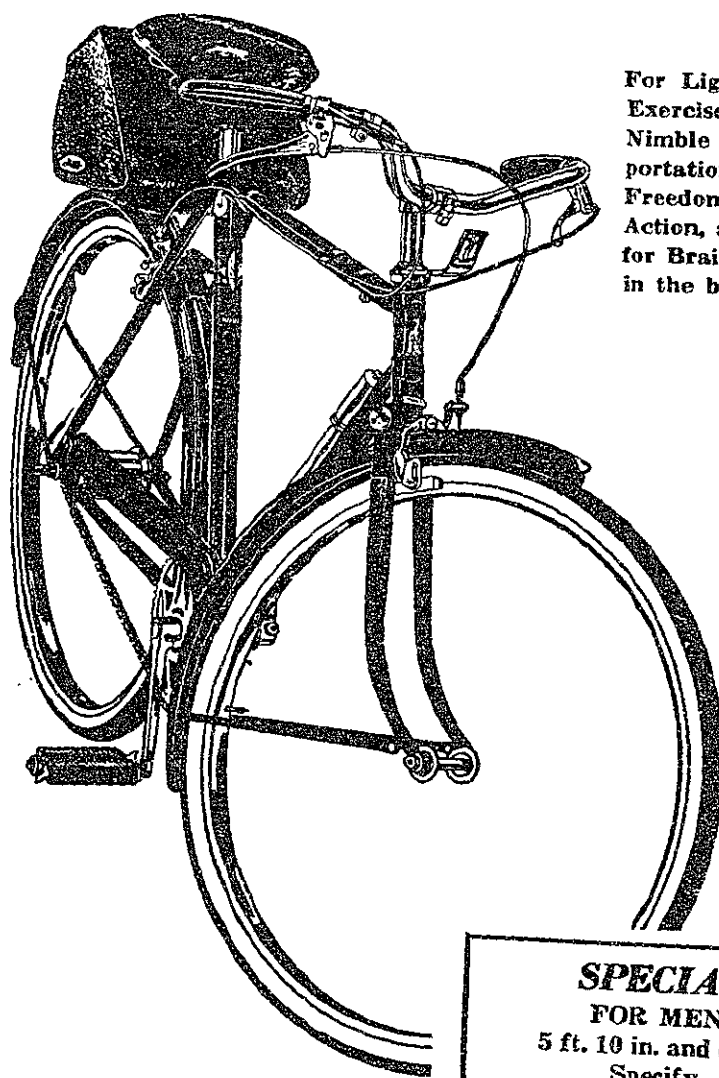


MIT freshmen line up beside the busses for the beach party. Ten busses were used to haul frosh out and back. The MTA reports that vacancies for ten bus drivers are now open.

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Stratton, Boit, Prizes Popovych Victorious Given For Creative Work In Humanities

by Alfred E. Neumann

The Humanities Department has honored eight undergraduates for their outstanding creative work during the 1956-1957 year.

Boit Prizes for imaginative writing of short stories, poems, or dramatic sketches were awarded to the three best writers in this field. David M. Samuelson '60 took first prize, William T. Brandon '57 second, and David W. Christensen '58 received third prize.

Boit Prizes were also given for the best essays on subjects for treatment in literary form. These prizes were bestowed upon John P. Covington '59 who took first prize with his essay, "A Study of the Esthetic Theory of Stephen Dedalus"; William A. Cramer '59, (former Assistant News Editor of *The Tech*) received second prize for his essay, "On a Rejection of the 'Baylist' Maxim"; and Frank L. Galeener '58 won third prize for his work, "Language and Thought".

Two Stratton Prizes for excellence in debating have been presented to Vernon S. C. Porter '57 and Wayne Hayden, Jr. '60.

The Boit Prizes were established in 1921 by a bequest from Robert A. Boit of Brookline, made "to stimulate interest in the best use of the English language."



Orest Popovych, a teaching assistant in the Chemistry Department here, won the New England chess championship this past Labor Day weekend. A field of fifty-six players competed at the Staller Hotel in Hartford, Connecticut in the seven-game elimination Swiss tournament. Mr. Popovych overcame his opponents in a fine performance and compiled a record of five wins and two draws for a score of 6-1.

The Stratton Prizes were established from a fund set up by a group of alumni to honor the memory of Dr. Samuel W. Stratton, eighth president of the Institute.

Capacity Crowd At Frosh Mixer



Scene taken at the Mixer held in Walker Memorial Friday evening. Needless to say, everyone was pretty well worn out after mixing all evening.

Four Technology Professors Retire After 93 Years

Professor William E. Stanley of Belmont, well-known consulting sanitary engineer and educator, retired this summer from Massachusetts Institute of Technology as professor emeritus and lecturer in the department of Sanitary Engineering. Other retiring faculty members were Dr. Walter L. Whitehead of Malden, associate professor of geology and director of MIT's geology summer camp; Walter C. Eberhard of Waltham, assistant professor in the mechanical engineering department; and Dr. Herman Klugman of Allston, assistant professor in the department of modern languages.

Professor Stanley came to MIT in 1944 as professor in charge of sanitary engineering courses.

Dr. Whitehead completed 28 years on the MIT faculty by directing the geology summer camp at Antigonish, Nova Scotia, for the tenth consecutive year.

Professor Eberhard, assistant professor of engineering graphics, received his S.B. at MIT in 1914 and has served on the staff for a total of 40 years. In addition to his regular academic duties, he was director of MIT's summer mining camp at Dover, New Jersey, from 1923 until 1933. Professor Eberhard will remain at the Institute as emeritus assistant professor and lecturer.

Dr. Klugman, who has been an instructor, assistant professor, and lecturer in MIT's department of modern languages since 1945, is retiring as assistant professor emeritus.

MIT POLICE

(Continued from page 1)

experienced law protector now retired from his post of Captain and Division Inspector with the uniformed division of the Massachusetts State Police.

The Department is not authorized to direct traffic on Cambridge streets. Along with being on the lookout for specific crimes, the police have already proven to be of invaluable service as general watchmen by returning many valuable items, left by accident around the Institute.

During the twenty-one eight-hour tours of duty, there are never less than two men on duty—and this occurs on only five tours—on the rest there are either four or five men working. Burstein hopes this will be enough for ample protection, but if experience shows that more could be used the force will be expanded.

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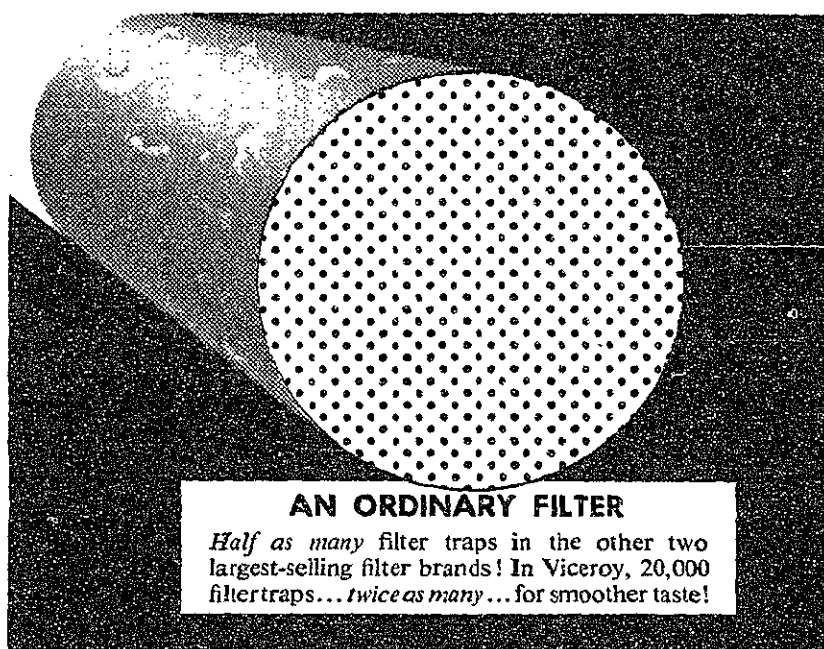
10 hrs. \$7.50

No Contracts Necessary

Studio open daily 1 to 10 p.m.

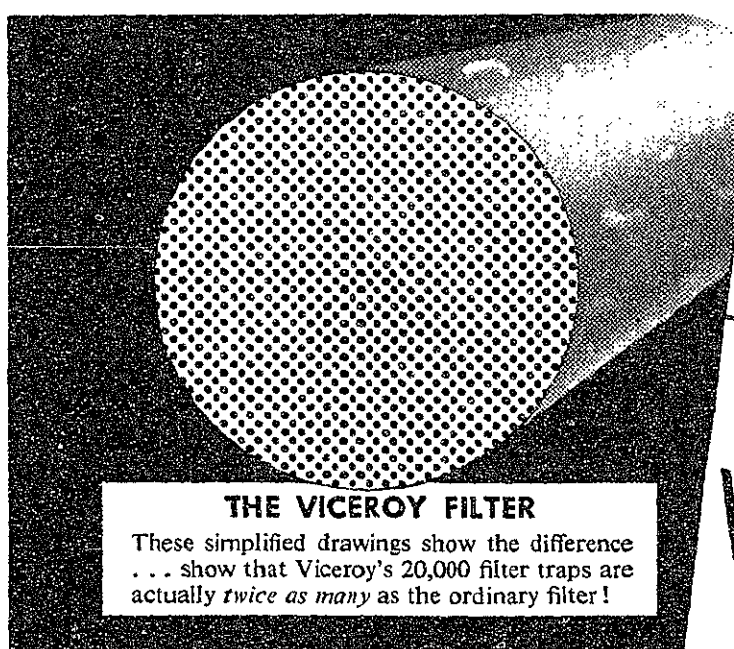
Saturdays until 6 p.m.

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Half as many filter traps in the other two largest-selling filter brands! In Viceroy, 20,000 filtertraps... twice as many... for smoother taste!



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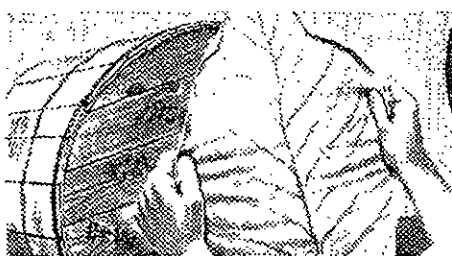
These simplified drawings show the difference... show that Viceroy's 20,000 filter traps are actually twice as many as the ordinary filter!

Twice as many filter traps as the other two largest-selling filter brands!

Compare! Only Viceroy gives you 20,000 filter traps—twice as many as the other two largest-selling filter brands—for that smoother taste!

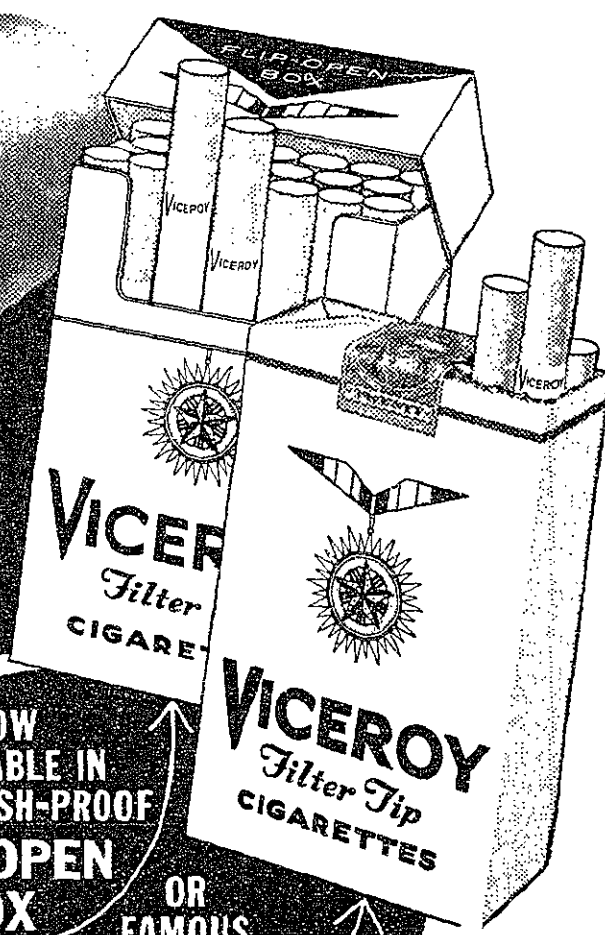
Plus—finest-quality leaf tobacco, Deep-Cured golden brown for extra smoothness!

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President Killian stops in his wanderings about the Activities Midway to admire a likeness of himself. He also acquired one of those famous dollar bills.

Four Nations Send Nine Visiting Profs. To Five Departments

Next year's visiting professors at the Institute include top scientists and educators from England, Sweden, Switzerland and the United States. The following will hold full visiting professorships during 1957-1958, while on leave from their present positions:

Dr. Armand Borel, mathematics department (spring term), is professor of mathematics at the Technische Hochschule in Zurich, Switzerland. A world leader in the fields of topology and Lie groups, he was graduated from the Federal Institute of Technology in Zurich and awarded a doctorate by the University of Paris.

Dr. Lennart A. E. Carleson, mathematics department, is professor of mathematics at the University of Uppsala in Sweden, from which he

Dr. Shing-Shen Chern, mathematics department (fall term), has been professor of mathematics at the University of Chicago since 1949. Born in China, he holds degrees from Nankai and Tsing Hua Universities and from Hamburg University in Germany.

Dr. W. Phillips Davison, economics and social science department, is research scientist with the Rand Corporation and professional lecturer at The American University. A Princeton graduate, he received his M.A. and Ph.D. at Columbia University.

Dr. Arie J. Haagen-Smit, food technology department, is professor of bio-organic chemistry at California Institute of Technology. He was born in The Netherlands and educated at the University of Utrecht.

Dr. Rollin D. Hotchkiss, biology department, is associate member of the Rockefeller Institute for Medical Research and a noted biochemist. Awarded his B.S. and Ph.D. at Yale, he was a Rockefeller Foundation fellow in Copenhagen in 1937-1938.

Dr. Roy Lamson, humanities department, is professor of English and dean of freshmen at Williams College. With three degrees from Harvard, he joined the Williams College faculty in 1938.

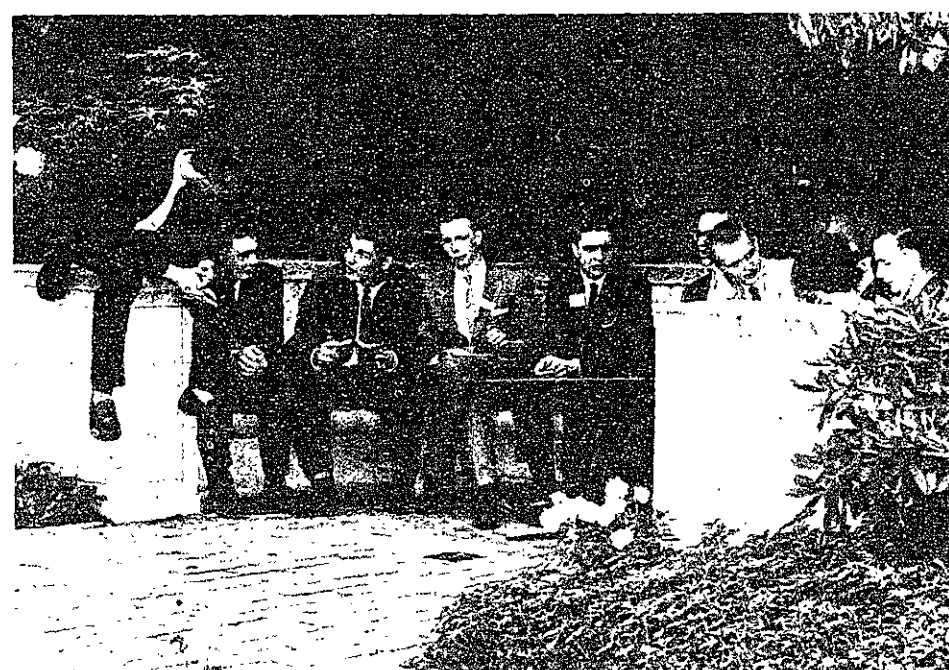
Dr. Michael S. Longuet-Higgins, mathematics department, is senior principal scientific officer at the National Institute of Oceanography in Wormley, Surrey, England. After receiving his B.A., M.A., and Ph.D. at Cambridge, he served with Scripps Institute of Oceanography and Woods Hole Oceanographic Institution.

Dr. William H. Miernyk, economics and social science department, is professor of economics and director of the Bureau of Business and Economic Research at Northeastern. He was awarded a B.A. and M.A. by the University of Colorado and a Ph.D. by Harvard. July 16, 1957

Dr. Killian Is Host At Reception



Part of the crowd attending the reception given by President Killian Sunday.



Chuck Conn '60 gives members of the Class of '61 the facts at the President's reception given Sunday afternoon.

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Tickets Ready Now For BSO Date Here

The 1957-58 MIT Humanities Series will open with a concert by the Boston Symphony Orchestra, Charles Munch conducting, on Wed., November 20 in Kresge Auditorium. This will be the third appearance of the Boston Symphony on the MIT campus. The Pauk Quartet of Budapest will make its first Boston appearance in the second concert of the Humanities Series on Sunday afternoon, December 15. On Sunday, January 19 the Juilliard String Quartet will present a program including works by Haydn, Stravinsky, Wolf, and Bartok.

Series tickets (\$7.50) are available in the Music Office, Room 14-N236.

TRANSFER STUDENT DINNER

A dinner for college transfer students in the three upper classes will be held in the Campus Room of the Graduate House on September 25 at 6:00 p.m. Students planning to attend the dinner should reply to room 7-133 by the morning of September 23.

SOCCER RALLY

The freshmen will meet the varsity Soccer Team in a rally at 5 p.m. Wednesday, September 25, in room 5-108. The entire student body is welcome; interest is the primo prerequisite.

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WTBS

(Continued from page 1)

help to keep busy its growing staff. Another new WTBS idea is the use of music during study hours as an educational aid; a greater emphasis will be placed on easy-listening and light popular music which has been found more conducive to study.

Program Schedule

MONDAY

- 11.00 Music Library C
- 5.00 Caravan of Music P
- 6.00 Strictly Instrumental S
- 7.00 News
- 7.05 Beaver's Best P
- 8.00 Concert Hall C
- 11.00 Lucky Strike News
- 11.15 Sports Final
- 11.20 Music Till Midnite EP
- 12.00 Sign off

TUESDAY

- 11.00 Music Library C
- 5.00 Caravan of Music P
- 6.00 Jazz Workshop J
- 7.00 News
- 7.05 Beaver's Best P
- 8.00 Concert Hall C
- 11.00 Lucky Strike News
- 11.15 Sports Final
- 11.20 Music Till Midnite EP
- 12.00 Sign off

WEDNESDAY

- 11.00 Music Library C
- 5.00 Caravan of Music P
- 6.00 Showtime
- 7.00 News
- 7.05 Beaver's Best P
- 8.00 Concert Hall C
- 11.00 Lucky Strike News
- 11.15 Sports Final
- 11.20 Music Till Midnite EP
- 12.00 Sign off

THURSDAY

- 11.00 Music Library C
- 5.00 Caravan of Music P
- 6.00 Jazz Workshop J
- 7.00 News
- 7.05 Boston Beat
- 7.15 Beaver's Best P
- 8.00 Concert Hall C
- 11.00 Lucky Strike News
- 11.15 Sports Final
- 11.20 Music Till Midnite EP
- 12.00 Sign off

FRIDAY

- 11.00 Music Library C
- 5.00 Caravan of Music P
- 6.00 Strictly Instrumental S
- 7.00 News
- 7.05 Beaver's Best P
- 8.00 Light Classical Interlude C
- 9.00 Fiesta L
- 10.00 Nite Owl—all request
- 11.00 Lucky Strike News
- 11.15 Sports Final
- 11.20 Nite Owl—all request
- 2.00 Sign off

SATURDAY

- 6.00 Echoes of New Orleans D
- 7.00 News
- 7.05 Sat. Sports Roundup
- 7.15 Guest Star
- 7.30 Sat. Dance Party P
- 10.00 Nite Owl—all request
- 11.00 Lucky Strike News
- 11.15 Sports Final
- 11.20 Nite Owl—all request
- 2.00 Sign off

SUNDAY

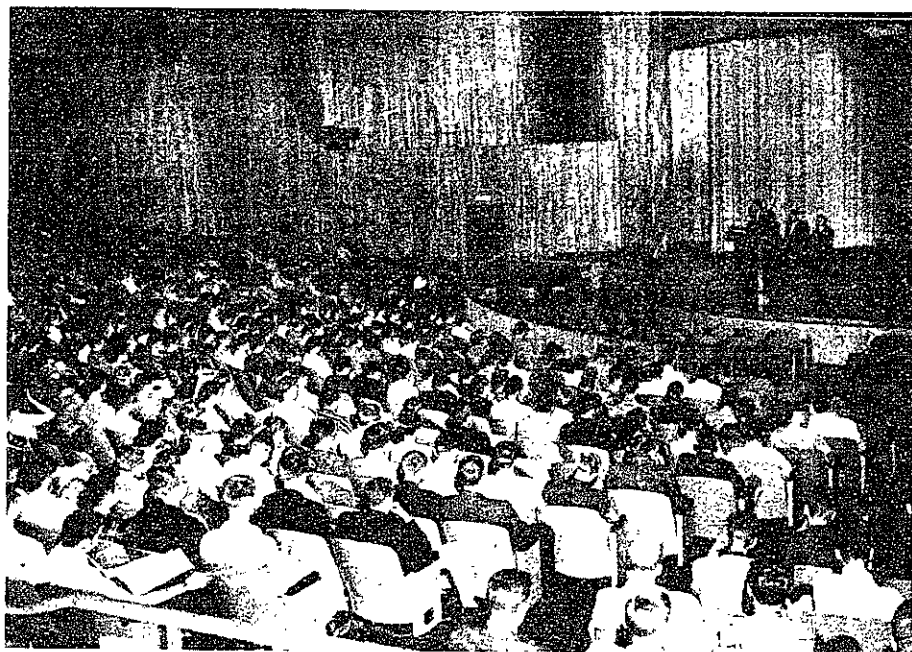
- 6.00 Sunday Feature Concert C
- 9.00 News
- 9.05 This is MIT
- 9.30 High Fidelity C and EP
- 11.00 News
- 11.15 Sports Final
- 11.20 High Fidelity C and EP
- 12.00 Sign off

KEY TO MUSIC PROGRAMS

- C—Classical
- D—Dixieland
- EP—Easy-listening pop
- J—Jazz
- L—Latin American
- P—Popular
- S—Swing



Here is the place where those fabulous dollar bills were printed at the Activities Midway. We are guessing that the bigger the bill the more it's worth.



President Killian addresses the Class of '61 at the pre-Rush Week meeting. Let's all hope that everything turns out all right in four years.

Cross-Country Team Reports For Season;

Tech's sixty-third cross-country season opened yesterday. From the many reporting for practice, twenty-five boys will represent the cardinal and gray in this year's competition. MIT's cross-country teams have won many championships against other New England Intercollegiate teams.

Members of last year's teams who are returning include Captain Bob Swift, Glenn Bennett, Bill Duffy, Duncan Ewing, Bob Cooper, Dennis Lytle, and Sarsfield McNulty. The members of last year's freshman

team who will now be running varsity include last year's captain, Du Oliver, Bob Murano, Bill Mullen, E. McCartney, Fred Rahhauser, and Ray Fletcher. These experienced trackmen, augmented by the other new recruits should produce a very strong team.

Freshmen have shown intense interest in distance running, and many had taken part in high school competition before coming to MIT. Coach Hedlund predicts that this will be one of Tech's best Freshman teams.

A track rally will be held on Monday, September 30, at 5:00 p.m., in Kresge Auditorium. Cross Country films will be shown, and a pair of track shoes will be awarded as a door prize.

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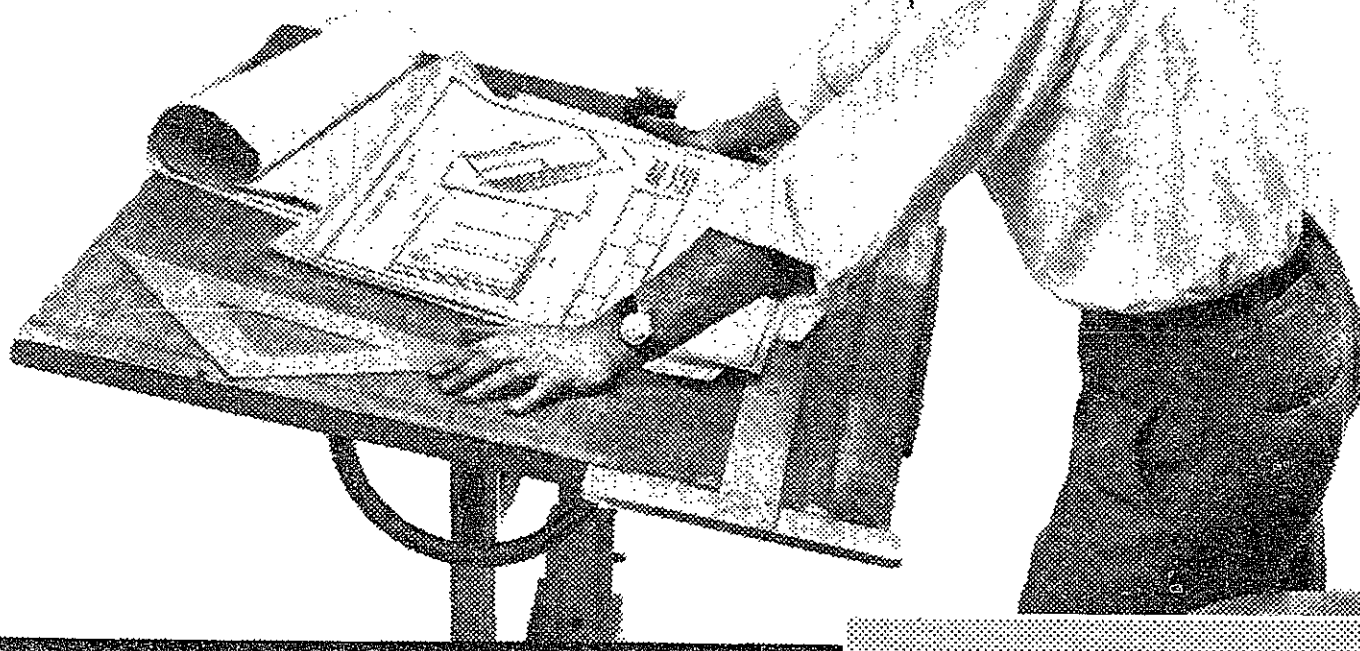


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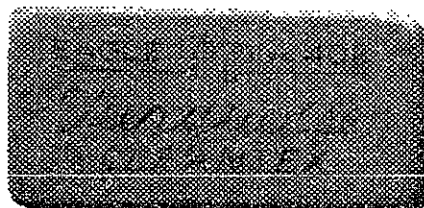
Eagle
Turquoise

PENCILS, LEADS AND HOLDERS

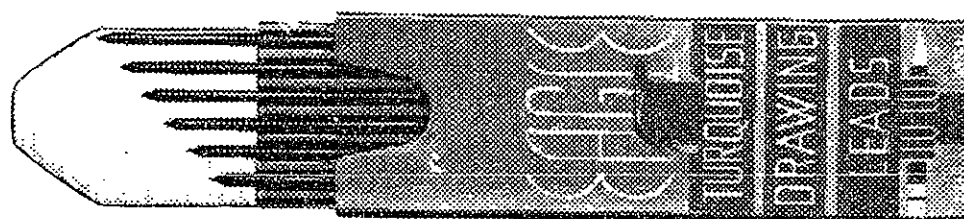
are the largest selling
in the United States!



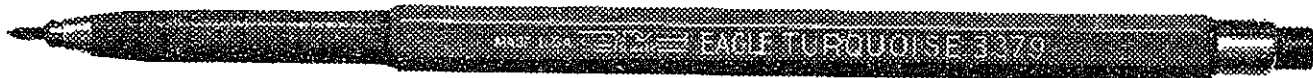
• TURQUOISE DRAWING PENCILS: With 100% "Electronic" graphite. 17 grades, 6B through 9H.



• TURQUOISE CLEANTEX ERASER: Super-soft, non-abrasive rubber.



• TURQUOISE DRAWING LEADS Fit any standard holder. Grades 5B through 9H.



• TURQUOISE LEAD HOLDERS: Hold any grade of Turquoise lead—so firmly that lead cannot be pressed back.