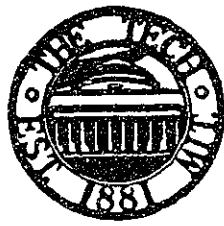


# The Tech



NEWSPAPER OF THE UNDERGRADUATES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

VOL. LXXVIII NO. 12

CAMBRIDGE, MASSACHUSETTS, FRIDAY, MARCH 21, 1958

5 CENTS

## Student Responsibility Statement Incorporated into Amstutz's Report

A portion of the final president's report issued by ex-UAP Arnie Amstutz '58 last Thursday is a statement on student activities issued by Dean Rule. This statement was scheduled to be delivered last January, at a meeting between Dean Rule and Inscomm. However, it was not released until last week because of unexpected questions concerning wording.

Following is the text of the report: The relationship between student government and the Dean of Students is an administrative one which for educational reasons seeks to provide maximum opportunity for student participation in making decisions affecting the students' life at the Institute.

The Institute has the responsibility of fulfilling its long term purposes of educating young men—of developing capable and responsible citizens. The Dean of Students exercises this responsibility with respect to all non-curricular aspects of student life.

### Three Categories

Decisions in non-curricular matters in general fall into three categories. First, there are those which have primary bearing on the fundamental purposes and operation of the Institute, and which are of secondary concern to the students; these must be the sole province of the Institute. They include security, fire, safety, health, management of physical

plant, and public relations. In this area, suggestions and comments by students will always be considered and evaluated.

Secondly, the student governing bodies of the Institute have interests and activities which though of interest to the Institute have secondary bearing on its purposes. These include most extra-curricular activities, social events, and student conduct with respect to other students. These affect the welfare of students and, properly administered, can assist rather than hinder the long-range purposes of the Institute as a whole. In this area, the student body through the appropriate student governing group has the responsibility for action and decision.

### Areas of Mutual Concern

Thirdly, there are areas of primary concern to student government which also have primary bearing on the purposes of the Institute. These include parietal rules, the public relations aspect of student publishing and broadcasting, and standards of student conduct. This is a cooperative area in which joint deliberation should take place before decisions are made. Though the power of decision rests with the Dean of Students, as the representative of the Institute, decisions should be made only after thorough discussion with student government where common agreement is strived for before the fact.

## Thermo-Electron Engine Converts Atomic Heat Directly to Electricity

An operational thermo-electron engine, the first of its kind, which converts atomic heat directly into electrical power has been developed by two MIT professors. Tests of the pilot model in a large vacuum tube have shown a 12% thermal efficiency.

The device has been under development by assistant professor George Hatsopoulos and Professor Joseph Kaye of the Mechanical Engineering Department for the past five years. The present model is based on a 1956 report, the first of its kind, made by Hatsopoulos concerning the details of such an engine.

The pilot model consists of two metal plates placed approximately one thousandth inch apart. One of the plates is heated to about 2200 degrees F, and the other is maintained at a "cool" 1000 degrees F. Electrons are boiled off the "hot" plate onto the "cold" plate. The plates are externally connected through a resistor, and thus the electrons produce electrical power.

### Atomic Fuel

The device as now set up could make use of ordinary fuels, atomic fuels, or solar energy. The inventors are certain that radioactive isotopes with long half-lives can be used as the heat source for the "hot" plate.

Two of the main advantages of the new engine are its compactness and the absence of moving parts. In view of this, Hatsopoulos believes that the device might be used in satellites where weight is a primary consideration or in missiles where their instant operating readiness and lack of mechanical parts would be an advantage. Another suggested use puts this invention at the heart of a light, compact power plant which would require little or no maintenance.

### Long Wait

But the electron heat engine will not be in use tomorrow. A lot of development work lies ahead before the device can be put into commercial operation. This will be undertaken by the Thermo-Electron Engineering Corporation of Cambridge.



Dr. George N. Hatsopoulos (left) and Dr. Joseph Kaye of the Department of Mechanical Engineering hold a model of a new device they have invented for converting heat directly into electricity, called a thermo-electron engine.

In tests, the current model has produced electricity with a thermal efficiency of approximately 12%, which agrees closely with the original theoretical predictions. The inventors believe that efficiencies of 30% may eventually be obtained.

### Commercially

The unit as it stands today could possibly compete commercially with small power plants. The developers are sure, however, that future versions will be able to compete very favorably in this field, ultimately being used to produce from 5,000 to 15,000 watts per cubic foot of total plant volume.

Professors Hatsopoulos and Kaye are continuing their research in the field. At present they are working on a model of the engine which would use drossed electric and magnetic fields to control the flow of electrons. This new version, they believe, may attain even higher efficiencies than their present model.

## East Parallels to Receive Most Attention In \$130,000 Dorm Improvement Program

### Fassett Forecasts Housemaster Plan

While the question of dormitory housemasters continues to hang heavy over the campus, some degree of enlightenment was given recently when Dean Fassett stated, "Housemasters are in the jelling stages—but I think that things will jell. If there is a housemaster, I expect he'll be in Burton." Preferences for the man differ: Dean Rule says, "... age"; Dean Fassett, "... tenure". The housemasters, as planned, would act much as the present faculty residents, but would have greater concern for morale and climate in the dorms.

### More Electives, Ph.D's

## Change in Courses II, IV, XV

Modifications of the curricula of courses II and XV are planned for next year. Recommendations to the administration have also been made that City Planning, course IVB, offer the degree of Ph.D.

The major change in course II would come in the Junior year. The number of compulsory subjects would be reduced so that approximately one half of the work in that year would be electives. The curricula in the first two years will remain essentially unchanged, being composed mainly of required subjects. The Senior year curriculum will continue with predominantly elective subjects. Professor Denhartog stated, "We have to change every year because it is the current trend to change [systems]."

The School of Industrial Management (XV) will drop the two options A and B. The School will allow more courses to be taken in conjunction with its curriculum. These courses may be termed as majors with Industrial Management as a minor course. The inclusion of more science and engineering courses "broadens the scope of the curriculum," according to Professor Edward Brooks, Dean of the School.

### Tuition Raised \$200; Scholarships, Loans Will Ease Problems

Tuition will be \$1300 per academic year beginning with fall term of 1958, announced acting president Julius A. Stratton in a letter to all MIT students this week. This \$200 increase "has been forced by the steadily mounting costs of operating an educational institution such as MIT."

Stratton also stated that the administration was "keenly aware" that an MIT education was a major financial burden for many students. Accordingly, substantial adjustments in scholarships and in loan funds available will be made for next year. More than half a million dollars will be available for loans to students in good academic standing. In addition, these funds will begin to be available to incoming freshmen.

Because a large lump-sum payment of tuition may present problems, a plan of installment payments for any or all of the fees will be instituted. The payment schedule will be set up on the basis of individual need, the only requirement being that all payments be completed by the end of the academic year.

A \$130,000 improvement program for the dorms, involving primarily, a complete rewiring job for East Campus refurbishing of the East Parallels, will begin soon, possibly within the next month.

Before the refurbishing is to begin, the \$30,000 rewiring project will have to be completed. Lighting facilities will receive the greatest attention, but the general wiring itself will have to be improved, also, because of the heavy overload from numerous appliances. The currently illegal but oft-used hotplates, banned because of the insurance costs, will still be illegal after the wiring is completed, however, according to Dean Fassett.

### Semi-Antiques in East Parallels

While three rooms are to be refurbished in April, the others will have

to wait till summer or possibly later due to the expense involved, \$300 per man. The furniture which has been tested in Atkinson has proved to be unsatisfactory, so different types are being considered for installation; at the present time, the Institute is looking for furniture that combines good wear qualities with architecturally-pleasing design. The East Parallels are presently using the oldest furniture in the school, dating back over thirty years to the time when the dorms were built. While the furniture has retained much of its original strength, it was realized that the appearance had not survived quite so well. Refurbishing and repainting is tentatively planned to be started on the first floor, continuing upwards towards the fifth floor while available finances permit. The same general plan is forecasted for the other East Campus dorms within five years.

### Some New Furniture in West Campus

The "rotating dorm improvement program" will also result in Baker and Burton changes this summer. While the bedsteads, desks, and wall shelves in Baker have successfully resisted the attacks of the residents, the rest of the furniture has been considered a very poor investment. The chairs and small tables, apparently designed only for their aesthetic qualities, have slowly been demolished; as a result, Baker will receive all new desk chairs this summer. New beds and mattresses are seen for Burton.

## Prof. Struik Asks United World in IPC Talk; Sees Internationalism Needed for Survival

Professor Dirk Jan Struik has made a plea for international cooperation and understanding through world federation. In a talk at Baker House last Monday night he described science and mathematics as the only field where the slogan "one world" has become an accomplished reality. He feels that for man to fully utilize all his technological advances, he must wipe out all existing national boundaries.

Professor Struik describes the world as split into three blocs: the socialist, the underdeveloped, and the capitalist, or as he describes it, "what Madison Avenue has called the free world." He is concerned with what we, as individuals, can do to allevi-

ate these tensions. He suggests, "we should be internationalists—but not cosmopolitans. A cosmopolitan is one who travels to all countries, flits from hotel to hotel, tastes the wine or the beer, and then decides that all people are either excellent or lousy." Rather, says Struik we must both become steeped in our own ethnical heritages, and also come to understand the cultures of others. He recommends that we begin by understanding the socialist nations. Professor Struik feels that everyone should read a little of Marx, Engels, Lenin, and Stalin as an aid in understanding the philosophy of the communists.

## Security Force Asks Cooperation As Spring Threatens Crime Wave

"If students would get in touch with the Security Force as soon as anything happens, it would help us all a great deal. We would rather make a hundred wasted runs than miss one important call."

This plea was voiced last Tuesday by Security Force chief Harvey Burstein. He noted five major incidents on campus within the past week, and said that with the coming of warmer weather, an increase in crimes may well be expected.

On Tuesday, March 11, the security force picked up three suspects in two separate incidents. During the night, three Cambridge urchins had broken into the Heinz Building in back of West Campus. Two of them were apprehended by the MIT patrol car as they attempted to make a getaway across Briggs Field. Earlier that day, a lunatic had wandered into the IBM 704 computer in the Compton labs. The mathematicians immediately called the police when the man started acting offensive.

### Knife Attack on West Campus

At 12:15 a.m. on Saturday, March 15, an MIT student was attacked near the Sancta Maria Hospital. The assailant, who was armed with a penknife, was described as about eighteen years old, smelling strongly of liquor. He did not inflict any serious injury or take any money.

This thug, as well as the people responsible for the East Campus robbery Monday morning, and the prowlers sighted in the Compton Labs that same night have not been found. Mr. Burstein said that the Institute campus was so open that their single car could not possibly cover it, and that they were further hampered by delays in reporting incidents. He said that these five crimes did not represent a greater than usual crime incidence for this time of year. The improvement in weather leads to more people being out on the streets, but Mr. Burstein hopes that this will not signal a runaway increase in crimes.

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## review

### Mutiny On The Bounty

Occasionally the Brattle revives an American film of two decades ago. Often these provide outstanding entertainment. *Mutiny on the Bounty*, the current offering, is an excellent example. Based upon the first of the well-known Nordhoff and Hall trilogy, *Mutiny* is uniformly exciting (intentionally) and uniformly witty (probably unintentionally). All in all and especially before a Brattle audience it is first rate fun.

Charles Laughton is all too seldom seen on the screen these days (this year's *Witness for the Prosecution* is a notable exception), and *Mutiny* is vintage Laughton. Captain Bligh of the *Bounty* is yesterday's Captain Queeg; and Laughton, not required in the thirties to be a psychotic and free to be a villain, is just Laughton.

Captain Bligh early proclaims himself a selfmade man. Certainly he is like few ever made, as he calls "Mister Christian" and orders more cruel punishment, less rations for the crew and more taunts for Clark Gable (the christian first mate Christian).

Arrogance and sadism are up Laughton's alley and his Bligh is a pleasure. The Clark Gable of *Mutiny* is the Gable of yore, no actor but great with pretty Tahitians; and although his motivation is none too believable, his conscientious first mate is more than adequate and a likeable if unbelievable fellow. For every British adventure, there must be a young nobleman full of pluck and naively enthused. Franchot Tone, looking like the Yale he was only a few years earlier, is as naive as anyone could ask.

A little torture always helps an adventure story and *Mutiny* has just enough. Ordered up by the arrogant Bligh, it makes savoury spice. Thrown in are some tasty (and amazingly Polynesian) Tahitian girls.

*Mutiny on the Bounty* is a gem and shouldn't be missed.

—J.A.F.

### Richard Dyer-Bennet

The Choral Society presented Richard Dyer-Bennet, the English tenor and guitarist, in an afternoon of folk music and art songs. The performance was given in three parts; Mr. Dyer-Bennet sang, in order, songs of the British Isles, the Continent, and the New World. Mr. Dyer-Bennet sang from a stage bare but for a piano bench and a footstool. He sang in a rich tenor with a clarity of enunciation delightful to hear, while complementing his powerful voice with an intricate and melodious guitar accompaniment. The songs were, for the most part, chosen from the more obscure of folk and art works; and, although some were clever and a few were appealing in themselves, it was quite clear that the credit for the per-

formance lay with the singer rather than his material.

It is inevitable to compare Mr. Dyer-Bennet's style with that of his American counterpart, Pete Seeger. The times your reviewer has seen Seeger, Pete has bounced in, told a few jokes to warm up the audience, and liberally sprinkled his performance with songs in which the audience joined him. Mr. Dyer-Bennet, on the other hand, performed with dignity and reserve. He told no jokes, and sang alone. This is not to say that his performance was without warmth, but merely that Mr. Dyer-Bennet takes his folk singing more seriously and is more conscious of the folk song as an art form. His audience agreed with him to the extent that the applause was sustained but not frenzied. It may, perhaps, be significantly observed that lacking in his audience were the girls in black knee socks and pigtails that generally abound at more folksy gatherings.

The afternoon as a whole in no way contradicted your reviewer's previous impression that Mr. Dyer-Bennet is a performer of the highest quality and a significant figure in folk song circles.

—L.H.

### Paths To The Summit

An interesting man had some interesting comments on a forthcoming summit conference at a Burton House seminar last Monday.

Norman J. Padelford, Professor of Political Science, said there are three types of conferences: those where people get together and have a good chat with each other; those where people get together and shout at each other; and those where there is genuine negotiation, or in other words the parties resort to diplomacy—another word for hard bargaining.

The first may be helpful, the second a propaganda fest, and the third really accomplish something. Of course, Padelford pointed out, there is always the danger that someone may lose his shirt. But this is negligible if everyone comes prepared. Professor Padelford stresses preparedness.

He thinks that the degree and nature of the planning will determine the success of this proposed conference. This means a big homework job.

Evidently Padelford knows what he is talking about. Before coming to MIT he was intimately connected with the work of planning U.S. policy on the establishment of the United Nations organization.

A cabinet such as England's simplifies matters a great deal, but we haven't got a cabinet that is representative of political feelings. Instead we have a Congress to consult; this takes time. Of course, the Defense Department, the Treasury, the White House Staff, will all have something to say, too.

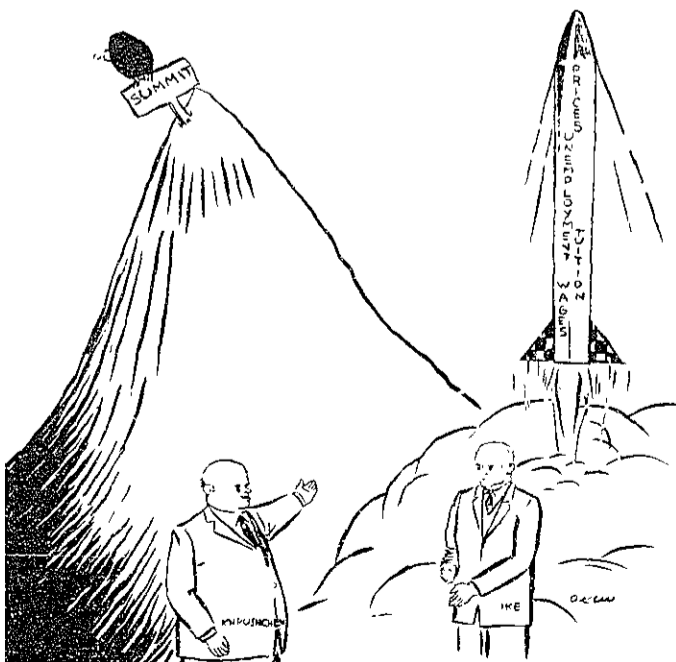
The preparatory stages Professor Padelford said may well continue until winter comes again.

As to the agenda he said, "The Russians are sticky people." And if there is no agreement here before the conference begins it will certainly turn into a grand scrap.

When the conference takes place is another factor to be considered. It was rather embarrassing for Churchill when they replaced him with Atlee at Potsdam. And where is it to be held? Madison Avenue with TV, Geneva with its diplomatic tradition and free press, or maybe Russia?

For the person who would like to know, Padelford had the advice, "Read *Foreign Affairs*." He also recommended Dean Acheson's "witty book" *Power and Diplomacy*.

—Jon Wigert



"Since Everything Is Going Up in America, Why Don't You?"

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# Science Study Committee States High School Physics Needs Overhaul

By Joseph Harrington, III

In this age of half-ton Sputniks and three-pound Vanguards all of us are aware that the United States is in grave danger of lagging behind the USSR in a number of vital areas. Not the least of these is education, especially the field of science. The schooling presently being received by the pre-college age Soviets is intensive and exhaustive: it makes American high school curricula in all cases but a few notable exceptions look like a pitiful attempt at education. Most of us realize that there is a basic need to intensify our educational processes and orient them more about science and mathematics; few of us realize just how to go about achieving this.

### A Limited Concept

Perhaps the most "backward" area of many secondary school curricula is that of the physical sciences, more commonly known as twelfth-grade physics. Think back to your own physics courses in that grade. Unless it was an exception to the rule, it gave to its students little of the sense of modern physics. Rather it was a composite of the limited concept of Newtonian mechanics and the irrelevant (to a basic physics course) details of technology. By the latter it is meant that the mechanisms of internal combustion engines and refrigerators are elucidated at the expense of the kinetic theory of gases which is the physical basis for their function. Secondary school students hear talk of current developments in physics which

in no way resemble even the basic fundamentals of their work in high school "physics". In the words of Dr. Elbert P. Little, "... The student, living in the world of the electron and the atom, struggles with pulleys ..."

### Education On All Fronts

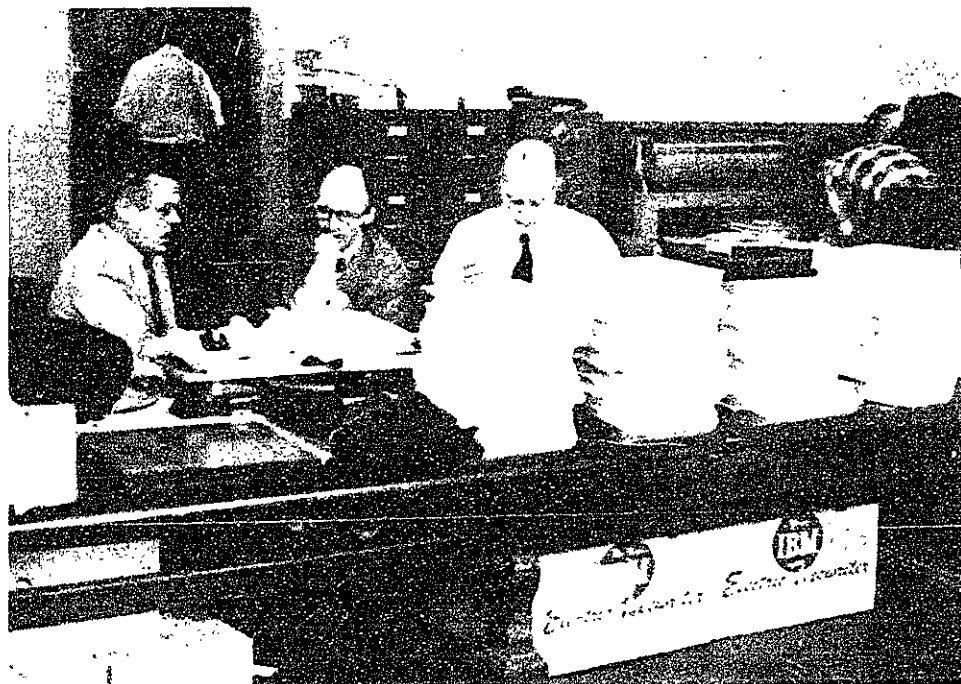
Dr. Little is currently directing one of the most comprehensive revitalizations of a high school curriculum ever undertaken. He heads the Physical Science Study Committee, which makes its headquarters at 94 Massachusetts Avenue, in the store block across from MIT. The job which the PSSC has laid out for itself is the tremendously exciting and challenging one of renovating and bringing up to date this sadly out of date course. The way in which the Committee has picked to do this is to present to the teachers and school boards of America a course setting forth physics in the modern sense, studied by means of a completely new (although thoroughly tested) text, a series of inexpensive (yet highly pertinent) lab experiments, and a set of films to clarify further the major points.

The Physical Science Study Committee was set up under a grant from the National Science Foundation in 1956. That this grant is administered by the MIT Division of Sponsored Research has meant that many of the PSSC personnel are MIT people, but has not prevented the group from being national in scope. The staff members are from as far west as Nevada and as far south as Georgia. From

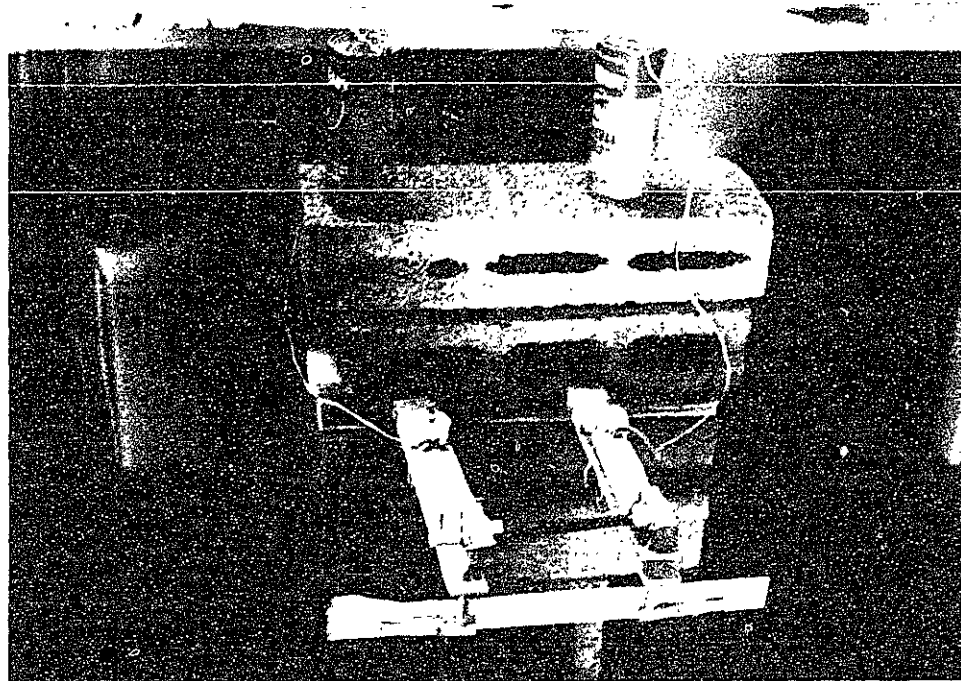
high schools, prep schools, colleges, universities, scientific publications, encyclopedias, industrial organizations—from almost every conceivable group which might have an interest in the outcome of this study come the people who make up the staff of the PSSC.

### Cast of Hundreds

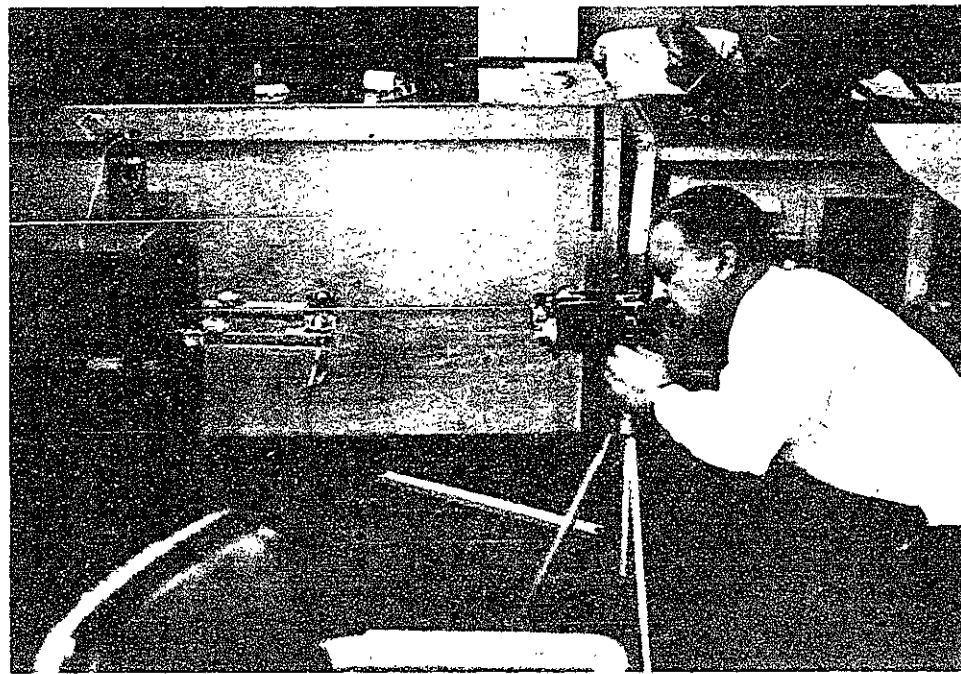
Of the one-hundred-fifty people engaged in creating and producing the films, texts, and lab experiments, less than thirty are full time workers. Dr. Little, the Executive Director, and his six assistant directors, as well as Professors Frank F. L. Friedman, and Zacharias, of the MIT Physics Department, devote full time to the PSSC. There are six or eight consultants in the field of science writing, and some eight or ten secretaries. The bulk of the 122-man Contributing Staff of the PSSC is, however, part time. Department heads and professors from many colleges and universities (notably MIT) put in four or five days a month on the project. Perhaps this is where the actual strength of the Physical Science Study Committee lies—in the fact that busy scientists and educators will take time off from their already demanding schedules to devote one working day per week to write the script for a PSSC movie, or contribute to the building of a chapter in the pilot text book. Perhaps, if such men are still willing to do this kind of work, more for the ideals of science and education than for anything else, then the condition of American education may see a brighter day soon.



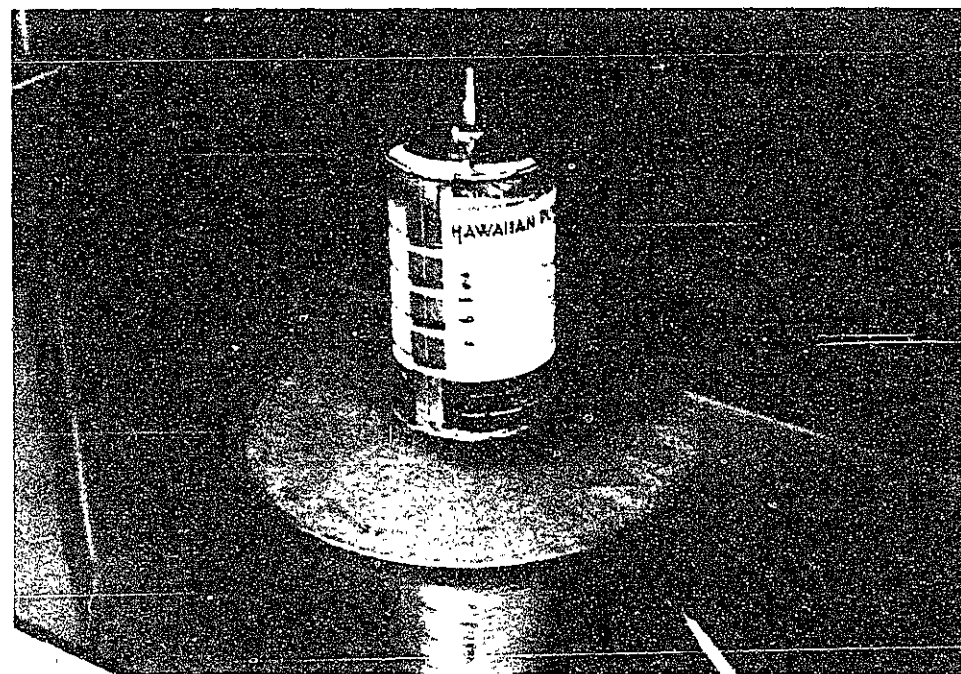
Dr. Elbert P. Little (center, worried expression) and associates attack some of the paper work involved in the operations of the PSSC.



Model of the ripple tank. The two vibrators, run by dry-cell motors, produce various wave forms in attached water trough.



Mr. Arthur Jubenville, head of the apparatus division of PSSC, photographing the ripple tank in action.



No, this is not an anarchist bomb; it is a frictionless sliding car. Air is pumped into the reservoir (old Hawaiian punch can) and exhausted at the bottom. The air cushion provides a freely sliding contact with the supporting surface.

## A Campus-to-Career Case History



Stan Smith (left) discusses characteristics and color coding of polyethylene insulated cable with A. A. Little, Nebraska Bell Telephone Company.

## "Growth makes opportunities in the telephone company"

In October, 1957, only four years after graduation, Stanley W. Smith was appointed District Plant Engineer in Northwestern Bell Telephone Company. Here Stan tells what his responsibilities are and how his promotion came about.

"I'm responsible for outside plant engineering in a district which includes about one-third of all Bell telephones in Nebraska outside of Omaha," Stan says. "That's about 35,000 phones, and the number is growing every day."

"The most important part of my job is to plan for growth and have facilities ready when needed. This means planning for pole lines, aerial and underground cable, and conduit lines to the central office. I also make cost estimates for all

planned construction so that money can be budgeted for it.

"This is the kind of job I really like—one which combines engineering and management. And it was the continuing growth of the business," Stan points out, "that opened up this new assignment for me. My predecessor was appointed to a newly created position and I was selected to replace him."

"What the future holds for me depends on a lot of things. But I can see from my present job that growth will keep opening opportunities for myself and other engineers like me. I'm more convinced than ever that the telephone company is the place to get ahead in an interesting and challenging career."

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### COURSE XX SMOKER

The Department of Food Technology is holding a smoker for freshmen on Wednesday, March 26 at 5 p.m. in Room 16-310. A tour of the departmental facilities, an opportunity to meet professors in the department, and a free dinner will complete the evening.

### ORGAN CONCERTS

Bartholomeus Kool will give a free organ concert at the MIT Chapel on Sunday, March 30 at 4 p.m. He will play works by Baroque and modern composers.

The regular Thursday noon organ concerts in Kresge Auditorium have been canceled.

## Regular Intramural Volleyball Season Ends Eight Squads to Begin Playoffs Tomorrow

The intramural volley ball season ended on Wednesday night with the playing of three postponed games. The teams in each of the eight leagues which compiled the best records during regular season play will enter a final playoff. These contests are scheduled to begin tomorrow and will be played on a double elimination basis.

The only organization to qualify two squads was Phi Delta Theta. Other finalists are: Beta Theta Pi, Dover Club, Sigma Chi, Sigma Alpha Epsilon C, Lambda Chi Alpha B, and Grad House B.

The final league standings, announced by manager Dick Northrup '60, are as follows:

### LEAGUE 1

	Won	Lost
Beta Theta Pi A.....	4	0
Delta Kappa Epsilon.....	3	1
Delta Upsilon.....	2	2
Sigma Alpha Epsilon B....	1	3
Phi Mu Delta.....	0	4

### LEAGUE 2

Phi Delta Theta A.....	4	0
Phi Gamma Delta.....	3	1
Alpha Tau Omega.....	2	2
Burton B.....	1	3
Phi Kappa Sigma.....	0	4

### LEAGUE 3

Lambda Chi Alpha B.....	4	0
Student House.....	2	2
Sigma Phi Epsilon.....	2	2
Graduate House		
Dining Staff.....	2	2
East Campus.....	0	4

### LEAGUE 4

Sigma Chi A.....	4	0
Sigma Alpha Epsilon A..	3	1
Tau Epsilon Pi.....	2	2
Graduate Management		
Society.....	1	3
Delta Tau Delta.....	0	4

### LEAGUE 5

Phi Delta Theta B.....	4	0
Chinese Student Club....	3	1
Baker House A.....	2	2
Sigma Chi B.....	1	3
Phi Kappa.....	0	4

### LEAGUE 6

Dover Club.....	4	0
Sigma Nu.....	3	1
Club Latino.....	2	2
Phi Beta Epsilon.....	1	3
Beta Theta Pi C.....	0	4

### LEAGUE 7

Sigma Alpha Epsilon C	5	0
Graduate House A.....	4	1
Theta Delta Chi.....	3	2
Walker Student Staff....	2	3
Alpha Epsilon Pi.....	1	4
Theta Xi.....	0	5

### LEAGUE 8

Graduate House B.....	5	0
Burton House A.....	4	1
Pi Lambda Phi.....	3	2
Theta Chi.....	2	3
Lambda Chi Alpha.....	1	4
Beta Theta Pi B.....	0	5

## Riflemen Place 2nd; Hardiman Fires 293

Last Saturday the Beaver rifle team placed second in the National Rifle Association sectional matches fired at Boston University with a score of 1414. David Hardiman '60 was high firer for MIT with a score of 293. This score equals the national junior record although it does not officially tie it.

Other scores for the sharpshooters included Ronald Pellar '59, 288; Robert Voigt '59, 280; Marty Zimmerman '59, 278; and Louis Nelson '59, 275. University of Maine won first place in the match with a score of 1420.

### TRACK RALLY

A track rally will be held Monday afternoon, March 24, at 5 p.m. in Rehearsal Room "A" of Kresge Auditorium. All interested freshmen and upperclassmen are invited to attend. Refreshments will be served.

## Pistol Sq. to Shoot In North Easterns

The North American Intercollegiate Pistol League will hold the North Eastern League Finals this Saturday afternoon, March 22, at Harvard.

Though Tech is sponsoring the

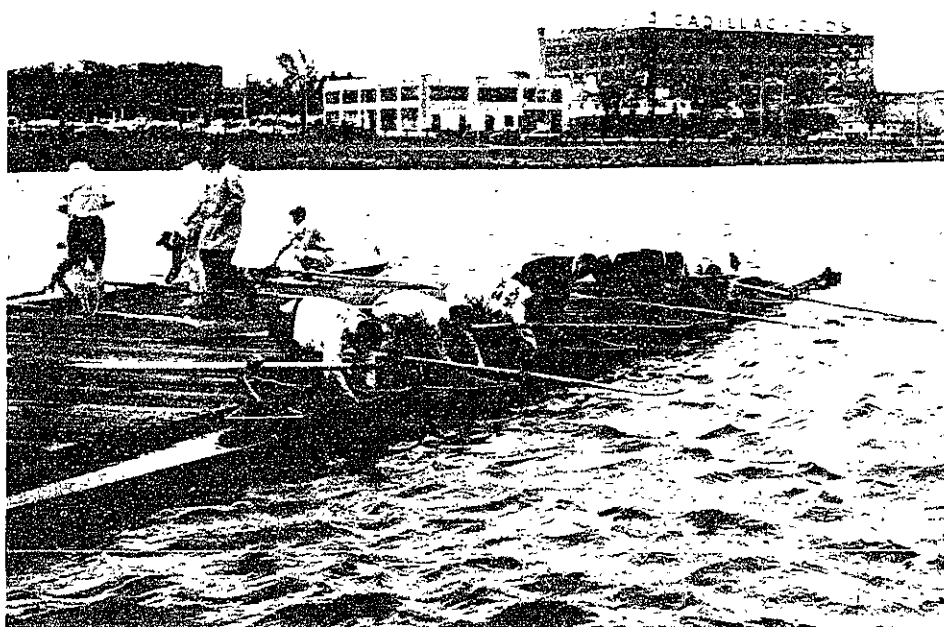
meet, the decision was made to hold it at the Crimson range, as their facilities are twice the size of MIT's.

Right now Harvard, MIT, U.S. Coast Guard Academy, and Brown are scheduled to fire; but several other teams will probably be present. Of the squads listed, the Cardinal and Gray has lost only to the Coast Guard Academy and is expecting stiff competition from the boys from New

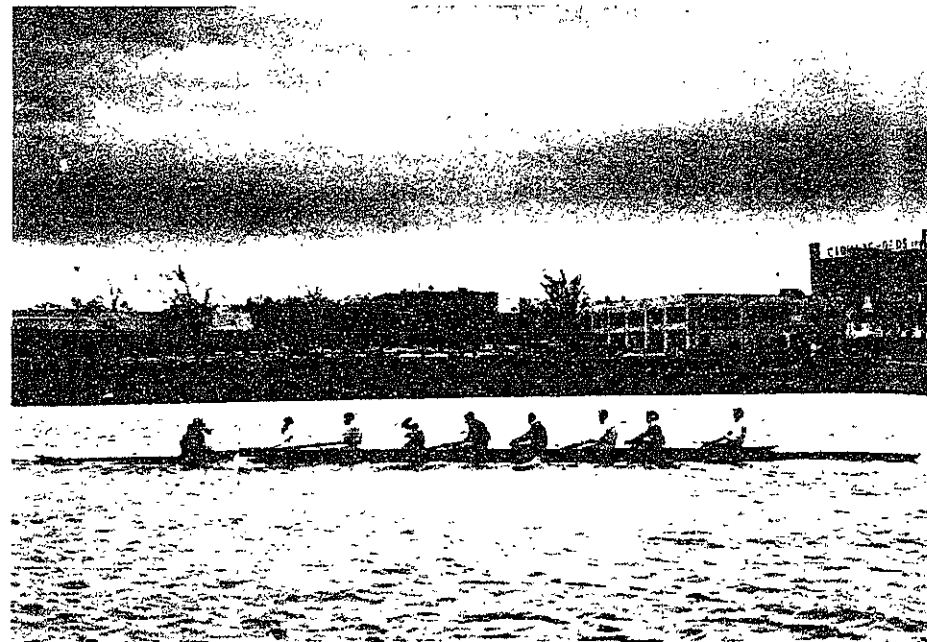
London.

The Tech seniors going are: Ed Newton, one of New England's top scorers; Mike West, captain of the team; Bill Cooper, and Dick Nyder. Robert Flagg is the sole representative of the class of '59. Sophomores Mike Wolfson, the team manager; Mike Neidich; Tom Remmer; Jim Von Benken; Dennis Kelly and Bill Eldridge round out the squad.

## MIT Oarsmen in Second Week of Outdoor Practice Under Coach Dubois



Eight freshmen heavyweight oarsmen dip their shell in the Charles River this Wednesday afternoon at the dock behind the Boathouse.



Taking a breather between workouts, a boatload of MIT's varsity heavies relaxes on the Charles, late Wednesday afternoon.

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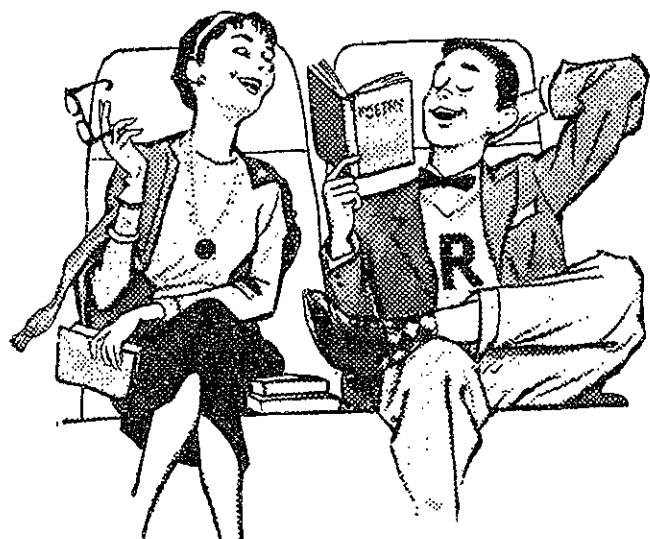
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# Trackmen Conclude Campaign as Seniors Romp In Interclass Meet; Bennett, Bell, Ernsberger Shine

After getting off to a slow start in the first two days of competition, the class of '58 completely dominated the scene in the latter three days of the winter interclass meet, to win going away. Four seniors scored in double figures as they tallied more than twice the total of their nearest rivals, the freshmen. The final tally stands as follows: Class of '58, 99; Class of '61, 44; Class of '60, 37; Class of '59, 15; Graduates, 14.

### Bennett Leads Seniors

High scorer Glenn Bennett '58 paced the fourth-year men to victory with a total of 19 points. Bennett, an outstanding leader of his team all year, compiled his score by capturing second in the two-mile, a tie for fourth in the high jump, third in the 600-yard dash, running a leg in the mile relay, and by winning both the mile and the 1000-yard run, the latter in a sparkling 2:20.6.

Also hitting twin-digit totals for the seniors were Ed Bell with 15¼, Roxy Ernsberger with 14¼, Bill Duffy with 13¼, and Dick Murdock with 11¼.

### Mile Relay Record

Bell tallied in 50- and 600-yard dashes, and the high and low hurdles; Ernsberger in the broadjump, and high and low hurdles; Duffy in the mile, two-mile, 600 and broad jump; Murdock in 600, 1000, and mile. In addition these four men comprised the winning mile relay team, setting an interclass meet record of 3:42.2.

### Davis Leads Frosh

High for the frosh was Joe Davis who recorded 9 markers. Davis notched a victory in the high jump at 5'6" and placed fourth in the high and low hurdles. Davis was the lone victor for the yearlings. Dan McConnell and Don Morrison followed with 7½ and 7 tallies, respectively.

Jim Long led the sophomores with 7 counters. Long won the shot put with a 39' 3½" heave and took fourth in the 35-pound weight throw. Bill Nicholson scored 6 with fourth and second in those events, respectively. John Maier and Fred Browand, victors respectively in the broad jump and 50-yard dash, were high for the juniors. Ed Hoyt, Curt Burrowes, and Larry Berman were outstanding for the grads.

### Managers Compete

Besides the regular events a special 300-yard dash was held for managers only. Dick Kaplan '60 was the winner for the "unsung heroes," in :42.5. John Benjamin '61 barely edged Glenn Strehle '58 for second spot while Ralph Buncher '60 finished in fourth slot. Jim Mulholland '58, the remaining manager, did not compete but instead ran the second leg of the seniors' second relay team to aid them to a fourth place finish.

One of the notable factors in the meet was the large number of competitors that turned out for the various events. Over 60 men entered the meet and most in more than one event. Especially surprising was the fact that, although the mile relay had

never before been run in an interclass meet, 28 men, comprising seven full teams reported at the starter's call.

This meet marks the end of winter competition for the thinclads. Oscar Hedlund's aggregation will begin working out on the cinders immediately in preparation for the spring season. The cindermen will inaugurate their spring campaign with the spring interclass meet on April 12, and have contests scheduled for every weekend thereafter until reading period.

### Summary

- Held on Friday, March 14:  
 35-Pound Weight Throw: 1. Ed Hoyt '57. 2. Bill Nicholson '60. 3. Ray Landis '61. 4. Jim Long '60. 5. Bill McBride '60. Distance: 49'3".  
 Broad Jump: 1. John Maier '59. 2. Roxy Ernsberger '58. 3. Dan McConnell '61. 4. Don Murray '59. 5. Bill Duffy '58. Distance: 19'10¼".  
 Held on Saturday, March 15:  
 Two-Mile Run: 1. Bob Cooper '58. 2. Glenn Bennett '58. 3. Duffy '58. 4. Herb Grieves '61. 5. Bob Mullen '60. Time: 10:54.0.  
 High Jump: 1. Joe Davis '61. 2. (tie) McConnell '61 and Don Morrison '61. 4. (tie) Joe Wright '61 and Bennett '58. Height: 5'6".  
 Shot Put: 1. Long '60. 2. Gary Fallick '58. 3. Walt Humann '59. 4. Nicholson '60. 5. McConnell '61. Distance: 39'3½".  
 Pole Vault: 1. Curt Burrowes, G. 2. (tie) Tom McClimans '58 and Morrison '61. 4. Nate Liskov '60. 5. Barrett '60. Height: 11'6".

- Held on Monday, March 17:  
 Mile Run: 1. Bennett '58. 2. Dick Murdock '58. 3. Duffy '58. 4. Herb Wegener '61. 5. Rod Swift '58. Time: 4:53.5.  
 50-Yard Dash: 1. Fred Browand '59. 2. Don Steiner '60. 3. Ed Bell '58. 4. Dick Otte '61. 5. Gary Gustafson '61. Time: :05.7.

- Held on Tuesday, March 18:  
 600-Yard Dash: 1. Duffy '58. 2. Bell '58. 3. Bennett '58. 4. Murdock '58. 5. Bob Slusser '60. Time: 1:19.1.  
 50-Yard High Hurdles: 1. Larry Lassinger '58. 2. Ernsberger '58. 3. Bell '58. 4. Davis '61. 5. Gordon Baty '61. Time: :06.1.

- Held on Wednesday, March 19:  
 1000-Yard Run: 1. Bennett '58. 2. Murdock '58. 3. Larry Berman '55. 4. Raleigh Graham '60. 5. Grieves '61. Time: 2:20.6.  
 60-Yard Low Hurdles: 1. Ernsberger '58. 2. Bell '58. 3. Lassinger '58. 4. Davis '61. 5. Ray Fletcher '60. Time: :07.4.

- Mile Relay: 1. ('58) Murdock, Duffy, Ernsberger, Bell. 2. ('60) Howard McDowell, Fred Rehhauser, Bob Perrin, Slusser. 3. ('61) George Withbroe, Pete Gustafson, George Ioup, Gary Gustafson. 4. ('58) Swift, Jim Mulholland, Bennett, Lassinger. 5. (Grad.) Vito Maglione, Phil Bianchi, John Pearson, Berman. 6. ('61) Wegener, Grieves, Rog Whitman, Paul Robertson. 7. ('60) Fletcher Nicholson, Graham, Dave Straight. Time: 3:42.2. (Interclass Record.)

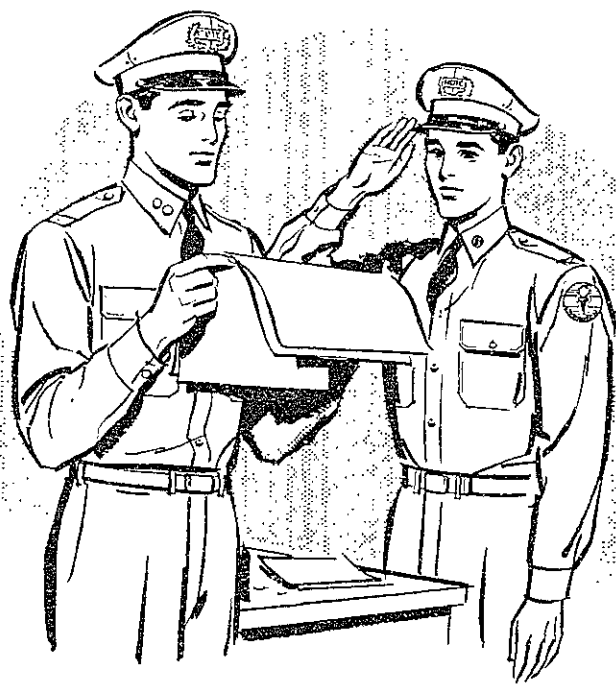
- Managers' 300-Yard Dash: 1. Dick Kaplan '60. 2. John Benjamin '61. 3. Glenn Strehle '58. 4. Ralph Buncher '60. Time: :42.5.

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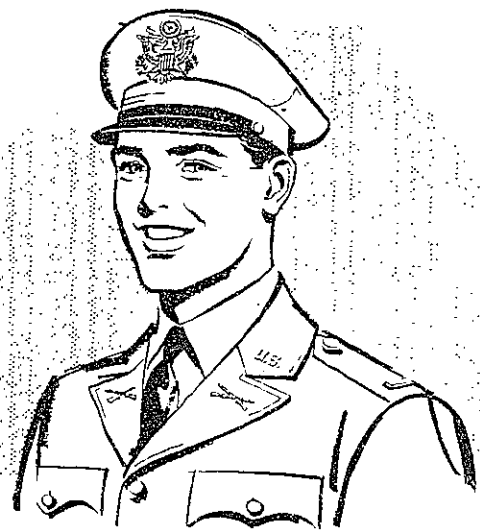


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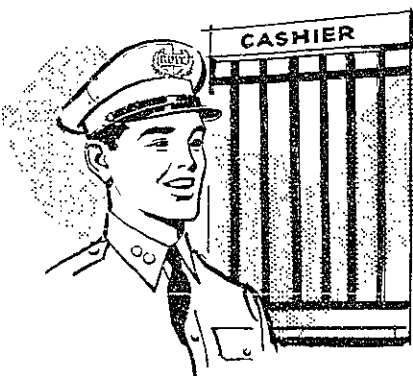
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## Intramural Council Has First Meeting

The intramural council of the MIT Athletic Association held its first meeting since the election of its new president, George Slivers '60, on Tuesday. At this meeting Herb Johnson '58 made a motion of policy which would require all managers to attempt to place the best teams of the preceding year in different leagues as much as possible. Also Jon Weisbuch '59 proposed a motion to appoint all managers for the following year shortly after the end of each season. These motions were accepted unanimously. Phil Beach '59 was elected secretary, and Ray Landis '61 and Bob Thompson '58 were appointed managers of IM golf and softball respectively.

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## Oedipus Rex Offered By Dramashop in Two Performances - Sun.

As the second production in its Celebrity Series the MIT Dramashop will present Oedipus Rex, a motion picture directed by Tyrone Guthrie and featuring the Stratford Ontario Shakespearean Festival Players.

Adapted from the English translation by William Butler Yeats, the story has been staged in the manner of Ancient Greece. Many years in planning every detail of the film has been authenticated for accuracy and probably never again will there be such a major production presented in this authentic manner.

There will be two performances at 6:00 and 8:30 p.m. Those wishing to see the film are advised to come early as there has been an unprecedented demand for tickets. Tickets will be available at the door for fifty cents. Both performances will be in Kresge Auditorium this Sunday, March 23.

## Simultaneous Chess Exhibition: Saturday

A simultaneous chess exhibition will be held tomorrow afternoon at 1:30 p.m. in the dining hall of Baker House. Everyone interested in playing is welcome to come over and participate. Only the first forty who come can be accepted, so be there early.

The opponent will be Orest Popovych, National Chess master and New England tournament champion. There will be an entrance fee of twenty-five cents a head, and participants are requested to bring their own boards.

For further information, call any of the following: J. Steinfeld, Burton 439; D. Greenspan, Burton 432A; G. Hood, Burton 543C; L. Wagner, Baker 215; or C. Wagner, Baker 404.

Due to a misunderstanding during the interview with Mohamed Hamza, a few ideas which he never mentioned were printed in the article entitled, "Cosmopolitan Campus is Fostered By Students from Other Countries". The Tech apologizes for the printing of the following phrases, "... rather than memory work which is so prevalent in schools in Egypt." and "... as compared to the sort of mass education system used back home."

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For application forms write Mr. Nick Mahimiro, Boy's Athletic League, 657 Tenth Ave., New York 36, N. Y. or call Bob Rols, Graduate House, Room 507B.

The following new programs will be added to the WTBS schedule after spring vacation:

Saturday, 3:30 to 5 P.M.—Saturday Sports Roundup.

Saturday, 5 to 6 P.M.—Fiesta of Latin-American music.

Sunday, 9 A.M. to 3 P.M.—Sunday Serenade, "Quiet Music for Easy Listenin'."

Sunday, 12 Noon to 12:15—News Roundup.

If "Good ol' Charlie Brown" will tell us his real name we shall publish his letter.—Ed.

### SEX

Sigma Epsilon Chi will formally regroup this Saturday at the Dake House to storm the porticos and coolly demolish the contents of the bar.

### CLUB LATINO

Club Latino will hold one of its usual blasts in contribution to International Week this Saturday, March 22 from 8-1 at Baker House Dining Room. Free drinks will be given as usual. A nominal fee of five dollars will be charged.

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