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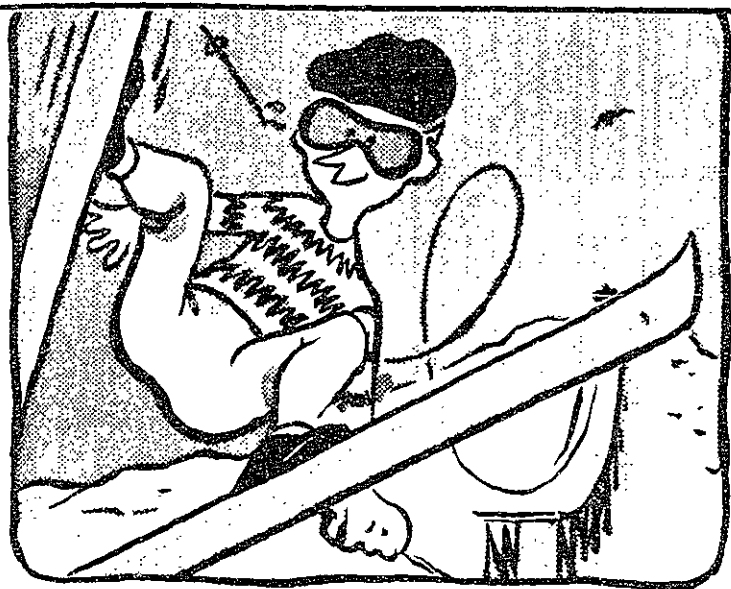
### IMMEDIATE OPENINGS

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- B.S., M.S. CHEMICAL ENGINEERS

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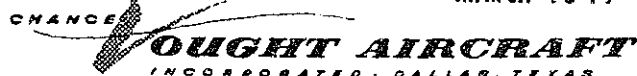
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### COURSE

(Continued from page 1) the other has 215 freshmen but only 129 sophomores. The latter may be due to the fact that the physicist receives the first taste of his chosen field via 8.01 and 8.02, the results of which are not, as a rule, particularly encouraging.

Mechanical Engineering, which was long considered one of the major courses at MIT, has been slighted with only seventy-three freshmen. Percentage-wise, Metallurgy has perhaps suffered the greatest decrease with only twelve freshmen compared to 32 sophomores; its popularity, however, seems to vary greatly from year to year, and it receives many transfers from other courses, a fact which is also true for Course XV. Geology has only three first-year students compared to an average of fifteen in the other three classes, but this, too, is a haven for transfers.

In the race for total numerical supremacy, including grad students, EE, Physics, and ME lead the pack.

### LITTLE

(Continued from page 1) new approach, material had simply been piled on top of old material in courses and textbooks. The result was that many students found physics dull and difficult. Yet it was almost impossible for any teacher or publisher to undertake a completely new approach. This could only be done through a largescale integrated program.

The project was started by Dr. Jerrold R. Zacharias, professor of physics, and a member of President Eisenhower's Science Advisory Committee, in the fall of 1956. He felt that not only was there a need to teach Twentieth Century Physics, but that physics could be made attractive and exciting to high school students.

### MECH. ENGINEERING

(Continued from page 1)

ceiling in the lobby. Each of eleven different fields is represented by a variety of exhibits.

#### Old and New Contrasted

Among the automotive exhibits, for instance, are the smallest sports car made, an animated Torsionaire front suspension, a McCulloch supercharger, an electronically controlled fuel injection system that uses no carburetor, and a 1900 Daimler-Benz engine, set for contrast along side a 1958 Oldsmobile Rocket J-2.

#### Air Power Emphasized

The largest single-unit display on the floor is the Pratt and Whitney J-57 turbine, which is capable of producing 37,000 horsepower, and is used as the powerplant for the Air Force's B-52 long range bomber, the F-102 fighter and the Navy's F4D Skyray, as well as the Boeing 707 and Douglas DC-8, both commercial craft. Also in the realm of aeronautical mechanics, the Rocketdyne Corporation is represented by a liquid fuel rocket engine rated at 6,000 pounds thrust, of the type used in the Air Force's experimental X-1 series of rocket planes. A General Electric turbo-alternator drive, used "for generating power in aircraft and large air-breathing missiles", is also on display.

#### Course II Project Display

The mechanical engineering department, which is sponsoring the display as a part of the Freshman orientation program, has also posted several projects from its machine design and drawing courses, and has placed two machines on display which were built as part of undergraduate thesis work.

## Prof. Livingston Sees Energy from Nuclear Anti-Matter Reaction

Energy a thousand times greater than that of nuclear fission lies in sub-nuclear particles, according to Dr. M. Stanley Livingston, professor of Physics. Speaking at the MIT regional conference at the Shoreham Hotel in Washington D.C. last Saturday, he described research being carried out, but could not say whether this energy would ever be used.

Dr. Livingston explained that the principal purpose of the huge new particle accelerators, such as the new Harvard-MIT synchrotron, is the exploration of these particles. "Particle physics goes as far beyond nuclear physics as nuclear physics went beyond classical physics and chemistry," said Dr. Livingston. "We are just at the threshold of exciting new discoveries about the fundamental particles of which the world is composed. Our basic goal is to learn the nature of matter itself."

"If in the future some useful application to human needs comes from these beginnings, it will only be repeating our past experience and will again justify our faith in the ultimate utility of basic research and the quest for knowledge."

"The university is a proper location for such basic research, but because said Dr. Livingston. "We are just at of the large apparatus required it is necessary to seek government support. All of us are aware of the essential need to keep scientific planning free from stultifying governmental controls."

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## A Campus-to-Career Case History



Paul A. Twigg, Bachelor of Architectural Engineering, University of Detroit, '53, in front of the 6-story building whose construction he supervised.

### Paul Twigg's Baby

Paul A. Twigg had been with Michigan Bell Telephone Company for about a year when he was assigned to a project that was a "dream" for a young architectural engineer. He was to supervise construction of a 6-story, 175,000-square-foot addition to the telephone building in Grand Rapids.

"For the next two years," Paul says, "I lived with the job as assistant to the Project Engineer. I interpreted the architect's plans and specifications for the contractor, inspected construction, made on-the-spot revisions where necessary, and worked out the many problems which arise on a project of this size.

"I kept the Engineering office in Detroit informed through daily logs and weekly progress reports. My boss pro-

vided reassuring supervision and advice on major problems by means of periodic visits to the job."

The building was completed last August. Understandably, Paul thinks of it as his "two-million-dollar baby."

"An assignment like this really gives you a feeling of accomplishment," Paul says. "It provides invaluable experience in your field. In fact, I've already been able to complete the first section of my Professional Registration Examination as an Architectural Engineer."

To engineers in many fields, the Bell Telephone Companies offer big and interesting assignments—assignments that challenge your ability, capitalize on your training and provide real advancement opportunities.

Many young men are finding interesting and rewarding careers in the Bell Telephone Companies. Find out about the career opportunities for you. Talk with the Bell interviewer when he visits your campus. And read the Bell Telephone booklet which is on file in your Placement Office.



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yard butterfly.

the improvements are long overdue."

Story on page three

Bo

# Hoopsters Smash Wesleyan By 30, Swimmers Win 72-13

## Best Court Play of Season in 92-62 Romp Varsity Mermen Romp Over WPI Frosh Win in Last Home Effort

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Sparked by the keen outside shooting of Herman Burton '60 and the deadly one handed jump shots of Bob Polutchko the MIT basketball team smashed Wesleyan 92-62 in Rockwell Cage Saturday night. Playing what was probably their best game of the season, the Tech men out shot, out rebounded, and completely out played the dazed quintet from Connecticut. Scoring 92 points, a high for this year and only 2 points from the MIT record set last year against New Hampshire,

they finished the season with a memorable fifth win.

### Palutchko Hits!

Though they faltered in the first few seconds, suddenly the Burkmens caught fire; Bob Polutchko dumped in eight straight points, with three field goals and two foul shots. Then Captain Mac Jordan '58 got in the act with 5 points and another field goal from Bob put the home team in the lead 22-11.

During this time Herman Burton

'60 and Leroy Cooper '59 began to contribute and with Polutchko's fantastic rebounding soon had widened MIT's lead to 15. Five more minutes of trading blows brought the half to a close with the scoreboard reading 44-33.

### Lead Doubled

The second half started off with an outside shot by Burton followed by two quick jumps by Polutchko. In the following minutes two buckets by Hasseltine and three by Cooper had doubled the Engineers lead before Mac Jordan fouled.

### Burton Rolls

Moments later with a 25 point margin, Coach Burke took out Bob Polutchko; but then Herman Burton began to roll. In less than two minutes he dropped 5 field goals and pushed the gap to 34. With the clock showing seven minutes to go, Burke once more reached out and Burton and Cooper had seen their last action of the season.

### Pace Slows

Still the Beaver Hoopsters increased their lead to 36 with a score of 88 to 52 and 4:13 on the clock; then they began to falter slightly. They allowed 5 field goals while only scoring 2 and dropped from a second half average of 3 points a minute that would have given them a final score of over 100 to a half a point a minute average that gave the Cardinal and Gray a 92-62 victory over the Cards.

Burton's 21 points and Polutchko's 20 accounted for a major portion of the score. Herm, a medium sized Sophomore, showed good ball handling ability and some fine outside shooting. Bob, the old team mainstay who returned from co-op a month and a half ago, demonstrated a good one handed jump and some amazing rebounding ability. A lot of the Tech quintet's success is attributed to his return; three of the five Cager wins this year occurred during the short part of the season for which Bob had returned.

M I T SCORING			
	FG	FT	Total
Jordan '58	4	1	9
Polutchko	9	2	20
Hasseltine '59	4	0	8
Cooper '59	3	5	11
Burton '60	9	3	21
Howard '58	3	1	7
Larson '58	0	2	2
Morrow '60	2	0	4
Nacholsky '59	3	0	6
Pogarian '58	1	0	2
Tisch '60	1	0	2
Totals	39	14	92

## Court Record

The MIT basketball team closed out their '57-58 season with an unimpressive record, on the home court last Saturday night, but Coach John Burke and his cagers put forth a stronger effort than their five wins and fifteen defeats show.

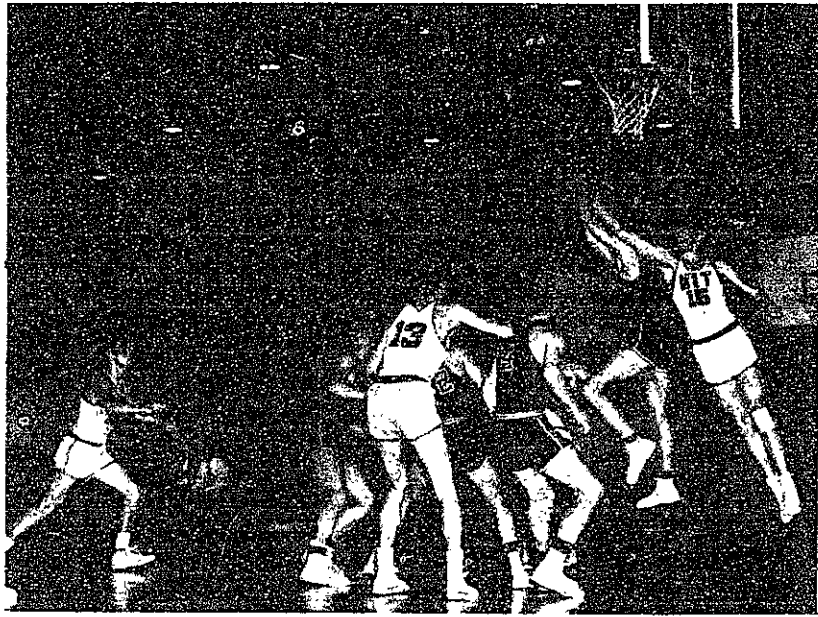
During their tough twenty game schedule the Techmen were only thrice defeated by as much as ten points, and many times the varsity, leading at the end of the first half, found that they lacked the depth to play the same brand of ball for an additional twenty minutes.

The statistics show that MIT compiled 1,257 points to 1,331 scored by their opponents for less than a four point average difference per game.

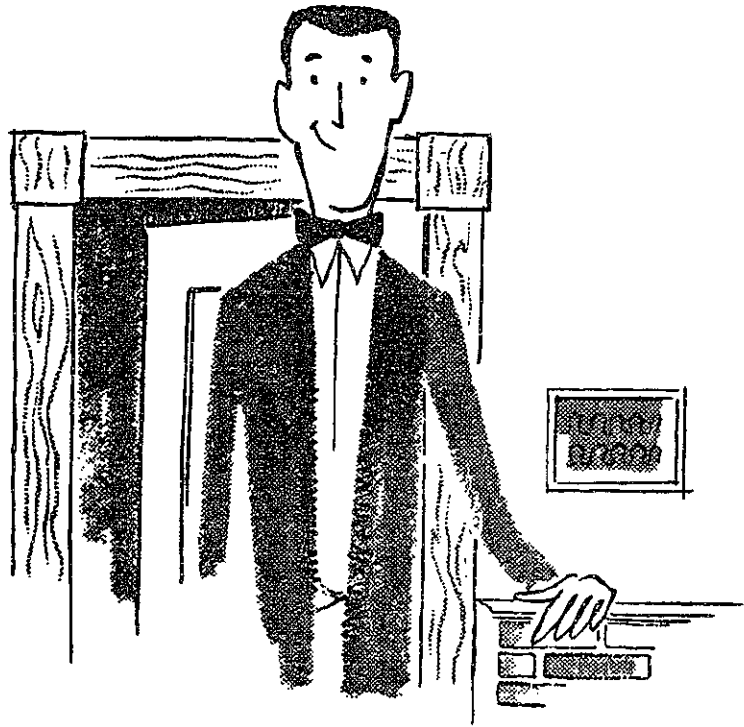
The scores of the season's game are as follows:

MIT	Basketball Record	Opponent
67	Springfield	68
51	Amherst	88
51	Trinity	65
52	Clark	55
61	Harvard	81
60	U.N.H.	67
75	Middlebury	81
62	Union	58
50	Boston University	73
52	Coast Guard	55
54	Howard	60
68	Johns Hopkins	73
70	Catholic University	77
77	W.P.I.	61
49	R.P.I.	50
61	Tufts	55
65	Bates	70
68	Bowdoin	71
52	Northeastern	61
92	Wesleyan	62

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MIT hoopster captain Mac Jordan (15) and a Wesleyan player strike a graceful pose in midair as they fight for a rebound. Bob Polutchko (13) and Lee Cooper (far left) watch attentively, MIT hit over 40% from the floor as they came within two points of a scoring record in downing Wesleyan 92-62 on the cage floor.



## "Jockey brand T-Shirts helped me make varsity!"

"There were at least twenty of us unknown freshmen at basketball practice that day. Suddenly, the coach was pointing at me. 'Hey you!' he called. 'You in the good looking T-shirt, get in there and show me what you can do!' That's how Jockey T-shirts opened my door to stardom.

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With speedy swimming and daring diving, both the varsity and freshman teams were victorious this Saturday; the varsity trouncing WPI 72-13, the frosh setting a new record while beating Mos. Brown 60-26.

Bob Brookers '59 and Capt. Will Vecek '58 lead off with a first and third in the 220 yd. free while Ed Getchell '59 and Charlie Rook '60 nabbed top positions in the 100 yard butterfly. Following their lead, Bob Barrett '60 and Jack Kossler '59 scored 1-2 in the 50 yard sprint with Dave Cahlander '59 and Anton Simpson '59 repeating this in the dive.

The 100 yard freestyle saw John Windle '60 and Roger Kane '59 sweep the top in 55.0 while Neil Divine '59 and Les Sodickson '58 took first and third in the 200 yard backstroke, the former in 2:21.2. Brooker again placed first in the 440 yard freestyle with Rook close on his heels. Burnell West '60 and Laase '60 easily took the 200 yard breaststroke, time of 2:35.4. Thanks to Capt. Murry Kohlman '58, Al Hortman '58, and Al Johnson '58 MIT easily took both relays.

### Yearlings Set New Medley Relay Record

As a fitting climax to their home meet, the team of Nelson Stany, Eric Essene, Capt. Tom Is and John Banzhaf set a new freshman record of 1:58.5 for the 200 yard medley; Banzhaf's freestyle time being 24.9. In a very close finish, team of Dick Stiffler, Ken Scott, Easson, and Pete Bankson also came first in the 200 yard relay.

Ken Scott opened the meet with close third in 50 yard freestyle followed closely by a 1-2 win by Francis and Tony Sylvestri in 100 yard butterfly. The 200 yard freestyle saw Bete Bankson speed ahead in 2:15.5 followed by Roger Luch...

A third in the 100 yard backstroke by Ed Wilson and top places in 100 yard freestyle by Ising and Banzhaf put the Techmen well in the lead. Mitch Brodikin and Bill Watson swept the field in diving to be followed another victory for Francis in the individual medley. Essese and Ruodler scored in the 100 yard breaststroke for a final score of 60-26.

## Squash Team Blanks Adelphi 9-0 Win Gives Raquetmen 3-9 Record

The squashmen brought a not too successful season to a close with a smashing victory over Adelphi College. The racquetmen managed to take eight games and one forfeit shutting out Adelphi 9-0. Cal Morse '58 got off to a quick start, but his opponent warmed up and carried the set to five games before Cal won 15-7, 16-18, 15-7, 10-15, 15-7. Dick Barone '58 lost his first game, but commanded the play in the next three to win 10-15, 17-16, 15-5, 15-10. Chuch Leonard '58, though somewhat confused by his opponents multifarious around shots, was able to outplay him along the wall winning 15-5, 6-15, 15-11, 15-3.

Colin Clive '60 playing in excellent form, was able to control the play from the T. He won in three games, 15-5, 18-17, 15-7. Bob Hecht '58 took his third of the season in a close set that went to five games, 15-9, 12-15, 15-5, 15-17, 17-14. Bob Hodges '60, scoring with his cross court shots, won in three games 15-12, 15-9, 15-3. Tom Cover '60 and Jim Pennypacker '60, both outplayed their opponents to win in three games, 15-12, 15-8, 15-9, and 15-10, 15-10, 15-12, respectively.

### Ivy Tough

This gives Tech a 3 win and 9 loss record for the season. Much of the season saw the Crockermen up against superior ivy competition. The team began the season fighting hard against Dartmouth and Wesleyan, and then seemed to taper off in the face of the competition to the point where they lost in 27 games to both Amherst and Williams. Toward the end of the season, facing an easier schedule, they managed to take three decisive victories from U-Conn, Fordham, and Adelphi. Although not a winning season, the Tech men did well, considering they had no outstanding player to fill the lead position. Next year,

with an impressive Freshman Team coming up to bolster the ranks, should see the engineers with a brighter column.

## Varsity Wrestler Downed By Wesleyan Freshmen Also Lost

The MIT matmen made one of the best showings of the season in loss to Wesleyan University, 18-15, on the victor's mats. The Techmen went down to defeat only twice during the afternoon, but due to lack of depth were forced to forfeit two additional matches.

MIT's wins came as Don West '60 and Mike Rosner '60 pinned the opponents in 4 minutes and 25 seconds and 7 minutes and 45 seconds respectively, and Joe Patalive '60 gained a decision, 4-0. Jim Simmonds '57 fought to a draw, 4-4, to round out the team's scoring effort.

### Frosh Lose

The freshmen grapplers did not show up as well as the upperclassmen as they lost to the Wesleyan team 21-10. The best effort was made in the lower weight classes as Andrew Pifer pinned his opponent in an outstanding 1 minute and 30 seconds in the 123 pound class and Dave Lath won by a decision, 6-3, in the 135 pound class. Jack Smith gained a draw, 2-2, in the unlimited division. Reed Freeman was pinned for first time this season as he made a closing effort to overcome a point deficit.

This weekend the team will compete in the New England Intercollegiate Wrestling Tournament which is to be held at the Coast Guard Academy.

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# Fencers Second in New Englands, Grads IM Court Champs

## Skillful Fencers Take Foil and Epee Titles

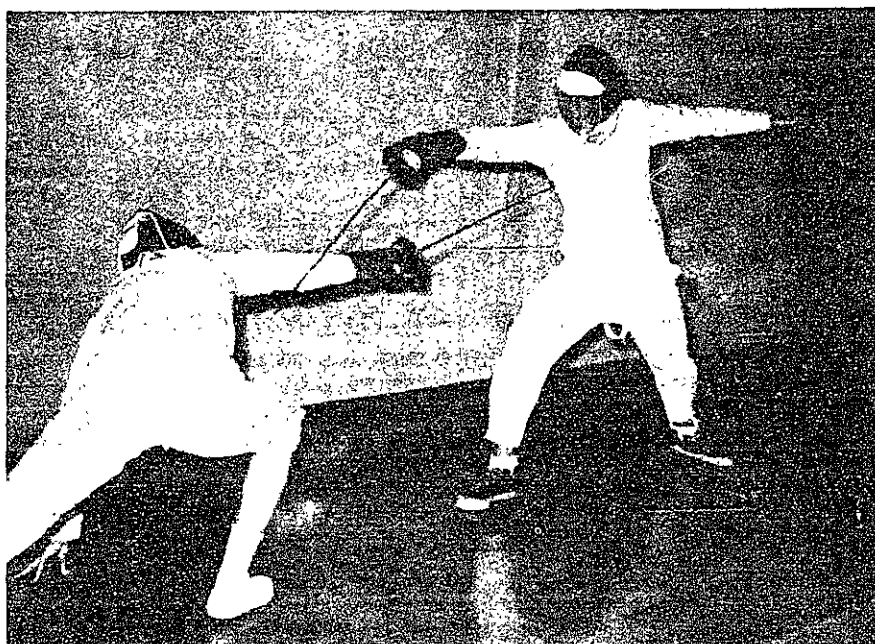
Despite winning both the foil and epee team events, the MIT Varsity Fencing team was edged by a surprisingly strong U-Conn team for first place at the New England Tournament held at Brandeis last Saturday. The final score, by number of victories, was: U-Conn 65; MIT 58; Trinity 47; Holy Cross 41; Brandeis 40; Brad-Durfee 32; BU 27 and Brown 25.

A great individual victory was taken by Barrie Shabel '59 as he was 13-1 in winning the sabre title. Only 28 touches were scored against him, making the victory more brilliant.

Oddly, after having beaten U-Conn for the second consecutive year by the score of 17-10, the Beavers again topped the New Englands to them. Sherman Karp '60 did very well in taking third place, while U-Conn men took second and fourth, the last one at least touches received. The importance of Karp's victories was that defeating the number one man of U-Conn in a 5-4 thriller, he helped Shabel win the title as the latter's only loss has been against the U-Conn fencer, who had dropped a previous one to Trinity. Sherman was 13-3 for the day giving the team a total of 24-4, better than any other team in the competition.

The sabre results were a disappointment as number one Larry Campbell '59 was 6-8 and tenth for the day; while Joe Verderber '60 was 9.5 and sixth giving the team fourth place with 15-13. The edge to U-Conn which was 24-4 and winner of the specialty.

In epee the Engineers were again victorious as Les Dirks '58 won the individual championship as he tied for



Joe Verderber '60 (right) slashes with his opponent in one of Saturday's sabre matches. Verderber came out ahead for the day 9-5 to help MIT gain second place in the New Englands.

Photo by Phillip Fauchald



Photo by Phillip Fauchald  
The outstanding MIT fencers relax after afternoon of dueling. Left to right are: Barrie Shabel '59, foil champion; Les Dirks '58, epee victor; Sherman Karp '60, third in foil.

first place with the Trinity and the U-Conn men. For the playoffs Les had to beat the Trinity man for the first time and he defeated him 5-0. Then, without a rest, he had to follow against the U-C man whom he defeated in a 5-4 thriller after going to overtime.

Joe Pedlosky '59 did a good job as he was 8-6 for the day and 8th by number of touches (the fifth through ninth place were tied in number of victories). The U-Conn epee team was 19-9 and first for the day.

Coach Vitale was very pleased with the overall showing of the team, as in previous encounters were lost by 5-4 margins.

## MIT Sharpshooters Victorious in NECRL Semifinals Saturday

Last Saturday the MIT rifle team won the northern division semifinals of the New England Collegiate Rifle League with a score of 1421. High scorer for the Beavers was Ronald Taylor '59 with a 288. Other scores included David Hardiman, '60, 286; Robert Voight '59, 283; Louis Nelson '59, 281; and Dwight Moody '59, 281.

On Saturday MIT, Maine U., and Norwich U., of the Northern Division compete against the winners of the Southern Division semifinals for the NECRL championship.

After the fine performance turned in this past weekend Coach Robert Taylor is confident that the Beavers will emerge victorious in the match this weekend, and hopes the team will do equally well in Nationals which will be fired in the near future.

## Bushleaguer

### Grads Top Fijis 50-45 for IM Title

In a game that was practically a replay of their first encounter last week Grad House topped Phi Gamma Delta 50-45 to regain the intramural basketball championship.

Grad House again opened early as the Fijis couldn't get rolling, and held 5-0, 8-1, and finally 16-3 leads in the first quarter, as the losers were unable to get a field goal. Grad House continued to completely dominate play until midway in the second quarter, at one time leading 22-3, before the Fijis suddenly caught fire and narrowed the gap to 25-14 at the half.

Baskets by Don deReynier '60 and Carl Swanson '60 cut the lead to seven and it looked as if the Phi Gams were back in the ball game but again they cooled off and the Grads got hot and quickly ran the score to 35-18. Mendell and Grubbs were the leaders in the attack but it was due mainly to great play by the entire Grad House team. Then the pendulum swung again and the Fijis, again led by deReynier, fought back to bring the score to 37-23 at the quarter and cut the lead to 10 in the opening minutes of the final period. Grad House opened it again to 15 and the Fijis couldn't move until time ran out,

pumping in six points in the last minute but falling short as the final tally was 50-45.

No one player was outstanding for Grad House, as Mendell and Brayton led the scores with 11, followed by Galvin and Grubbs with 9 each. deReynier took game honors with 12 and Chuck Ingraham '58 had 11 for the losers, although he picked up four fouls early in the second quarter and sat out almost half the game.

The Box Score:

GRAD HOUSE			
Mendell g	4	3-5	11
DePoy	0	0-1	0
Trautman g	2	1-1	5
Galvin c	3	3-7	9
Brayton f	3	5-6	11
Grubbs f	1	3-7	9
Hughes	1	3-3	5
Totals	16	18-30	50

FIJIS			
Swanson f	3	0-1	6
Wagner	0	0-0	0
Ingraham f	3	5-6	11
Irwin c	2	1-2	5
McGovern	2	0-2	4
deReynier g	4	4-6	12
Dryden	1	0-0	2
Beard g	2	0-0	4
Vicek	0	1-2	1
Totals	17	11-19	45

FINAL STANDINGS:

1. Graduate House
2. Phi Gamma Delta
3. Alpha Tau Omega
4. Student House
5. East Campus



Mathematician John B. Jackson, like many other mathematicians, engineers and physicists, came to IBM directly from graduate school. Today, an Applied Science Representative, he reviews his progress and tells how he uses his math background in a new field.

## What's it like to be with IBM?

First of all, what does an Applied Science Representative do? In John Jackson's own words, "I work constantly with key executives of the many and varied customers served by IBM in the territory for which I am responsible, advising them on the use of their electronic data processing machines. I consult with these customers, analyze their scientific and technical problems for solution with IBM machines. Occasionally, I write papers and give talks and demonstrations on electronic computing. All in all, it's pretty fascinating . . ." In other words, he is a full-fledged computing expert, a consultant . . . and a very important person in this coming age of automation through electronics.

### A consulting sales job

During the three years that John Jackson has spent with IBM as an Applied Science Representative, he has guided innumerable customers to new and better ways of doing things with electronic computers.



Consulting with top executives

For example, 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 toil with mathematical equations. The aircraft people decided that they couldn't afford to wait that long, so they called on IBM. After consultation with top executives, John Jackson helped to map out a computer program that saved the organization over 100 days of pencil-chewing arithmetic. Later, for this same company, he organized the establishment of computer systems for aircraft performance predictions and for data reduction of wind tunnel tests. At the same time, he worked with this company's own employees, training them in the use of IBM equipment. He remains in touch with this customer to assist with new studies and problems as they develop.

### A new field for the mathematician—IBM computers

Why did John Jackson decide to join IBM? Today, he 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 news to you. It was to him a few years back when he was an undergraduate at the University of Colorado. At that time, he was

considering mathematical research. But he liked the excitement and diversification of business and industry, and he wanted to use his mathematical background in that area. It was not until he was interviewed by IBM that he became aware of this new field for mathematicians. A few months later, he began his career as an Applied Science trainee.

John Jackson has progressed rapidly since he joined the Company. He's now the Washington representative operating with one of IBM's key Divisions, Military Products, in the Washington, D. C., office. With his wife Katherine, daughter Lisa, and John, Jr., he enjoys life in the nation's capital.



Mapping out a computer program



Discussing a mathematics problem

Interesting and challenging responsibilities, plus the knowledge that he is making a substantial contribution in a rapidly expanding area of IBM that is important to the Company and to the nation, assure John Jackson that he is moving along a road of real future opportunities.

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New Hampshire Downs Trackmen Freshmen Are Victorious 56-45

With most of the events being run in a drizzling rain, MIT's varsity track team dropped a close contest to the University of New Hampshire last Saturday at Briggs Field, 62-51. The freshmen defeated their UNH counterparts 56-45. The loss was the second in three starts for the varsity while the frosh now possess a 2-1 slate.

Bennet High Glenn Bennett '58 was top scorer for the Beaver varsity with 8 points. Bennett went out in front at the start and stayed ahead all the way to take the mile run in a sparkling 4:30.7. The smooth running senior then came back with a fast finish in the 1000-yard run to cop second in that event. Second high man for the Engineers was Dick Murdock '58, who won the 600 yard run in 1:17 and ran the anchor leg in the mile relay. Also in the winner's circle was Larry Lassinger '58, who was victorious in the 45-yard high hurdles event.

For the second consecutive week the yearlings were paced by Joe Davis and Dan McConnell, who tallied 15 markers apiece as the Frosh downed New Hampshire 56-45. Davis was a triple winner; notching victories in the high and low hurdles and the high jump. McConnell scored in four events, winning the 50-yard dash and broad jump, placing second in the short put, and tying for second in the high jump. Gordon Baty and Don Morrison tied for third honors with six counters each.

Although rain drizzled steadily during most of the afternoon, the outdoor track on Briggs was not especially slippery. However, the temperature was around 40 degrees, and for a while the precipitation turned to snow. Both the varsity and freshmen will end their winter dual meet schedules next Saturday when they meet the University of Connecticut at Briggs Field at 1:00 P.M.

A.S.C.E.

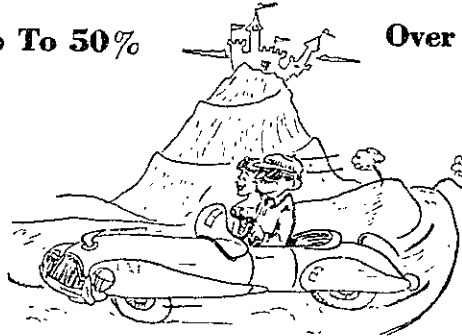
Free beer party for all members. Friday evening, March 7 Baker House.

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# The Tech



NEWSPAPER OF THE UNDERGRADUATES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DL. LXXVIII NO. 8

CAMBRIDGE, MASSACHUSETTS, FRIDAY, MARCH 7, 1958

5 CENTS

## IFC Debates Inscomm Rep Plan; Sampson in Top Post

The Interfraternity Conference elected officers for the coming year at its last meeting. Elected president was Jack Sampson '59; first vice president Dennis Lytle '59; second vice president, Bud Long '59; treasurer, John de la Cruz '59. Members of the rushing fractions investigation committee in the rushing chairman will be elected at the next meeting. The meeting also included some debate on Inscomm's recent ruling which requires that the dormitory and fraternity representatives be house presidents or former presidents. Seven of the fraternities do not hold elections for officers in time to have a candidate in the race for representative. A motion to accept the ruling was passed by a narrow margin over the objections of these fraternities. Bob Jordan '58, president of IFC, stated that it is hoped that some kind of compromise formula can be worked out whereby all houses will be able to

submit a candidate without having to alter their present system of electing house officers. Such a plan would probably entail having each of the seven affected houses submit a list of two or three eligible candidates for Inscomm's approval. This would not be fulfilling the letter of the ruling, but would supposedly fulfill it in spirit, since the people submitted for candidacy would be chosen on the basis of their familiarity with the problems of the fraternities and would not just be "professional Inscomm representatives", who are inclined to spend each Inscomm meeting discussing "random affairs", rather than pertinent issues.

IFC's objections to the ruling parallel those of the East Campus House Committee which recently passed a resolution asserting its right to send anyone it pleased as a representative to Inscomm. East Campus's objections were based on the belief that a self-perpetuating organization such as Inscomm should not have the right to arbitrarily choose its members, however, where, although some members of IFC objected on this ground, the actual voting was based on the objections of the seven fraternities directly affected.

Sampson, when questioned by The Tech concerning future plans for IFC stated that no particular "irons are in the fire" at present. He said he feels that the issue of parietal rules is dead for the moment and IFC hopes that it will remain so.

Mr. Sampson also stated his conviction that IFC should continue in its role as a leader of the fraternities rather than just act as a service organization as many think it should. As an example of the leadership of IFC he cited the current plan to purchase all oil for the fraternities through a central purchasing agent. The plan may be extended in the future to include items such as food.

## Tuition Hike Held Certain for Fall

### Corporation Decision Clears Way For Announcement of \$200 Raise

The Corporation has cleared the way for a tuition raise next fall. At its annual March meeting, Monday, the body granted its executive committee the authority to increase the fee if it finds that the Institute's financial situation demands the hike.

Administration spokesmen announced the Corporation's action at a press conference Tuesday afternoon and to student government shortly afterward.

Chancellor Stratton said Tuesday that the executive committee will make its decision within two weeks. However, he said, "I don't see how they can do anything but vote the raise for next fall." The amount of the raise, he said, will be \$200, bringing the tuition to \$1300.

Administration officials cited drastic cutbacks in grants from industry, resulting from the overall recession in the American economy, as a key contributing factor toward the Institute's present financial plight. The operating deficit for this fiscal year, Stratton said, will be about \$900,000.

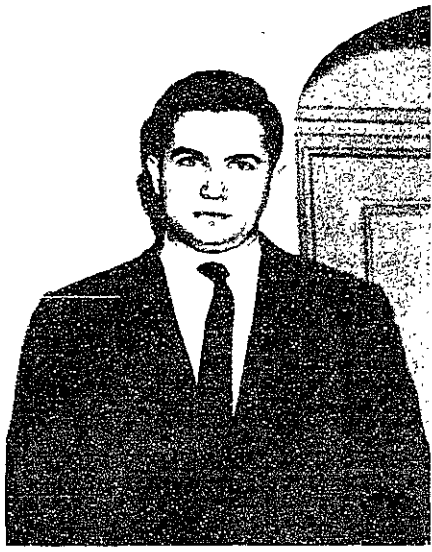
Another spokesman noted that the situation is becoming worse. He predicted that income from investments will drop from six percent to five next year and that two of the largest corporations in the country would be forced to reduce their expected grants by \$200,000 and \$100,000 respectively.

James G. Kelso, executive assistant to the President, expressed the Administration's regret that the announcement of the raise came this late in the school year. He said that, until very recently, there was hope that, despite the deteriorating financial situation, a nation-wide business upturn would develop, enabling the Institute to postpone the tuition raise for at least a year. However, this was not the case.

At \$1300, the tuition here will be the highest in the area, fifty dollars above that of Harvard and Brown and \$100 greater than RPI's.

The last tuition raise took effect in September, 1956. That raise also amounted to \$200. At that time, the Institute announced substantial increases in student aid.

Stratton made a similar announcement Tuesday. The capacity of the loan fund, he said, would be raised by forty-five to fifty percent, along with a twenty percent scholarship fund boost. In bolstering these funds, he added, the aim would be to insure that no student who is scholastically eligible would be forced to drop out because he couldn't afford to pay the increased tuition.



Robert E. Jordan III, newly elected permanent president of the Class of 1958.

## Jordan, Humann, Edwards, Dunn Succeed in Race for Class Prexies

One of the least vigorous election campaigns in recent years came to a close last Tuesday when thirty percent of the eligible voters came to the polls to elect their new class officers. Although the number of candidates was high for several of the offices, particularly for the presidencies of '59 and '61, there was a decidedly noticeable lack of the usual hand-shaking, rash promises, door-knocking, and colorful campaign schemes.

While there were only four candidates for the honorable, but unenviable, posts of '58 permanent class officers, there were seventy write-ins for members-at-large of the permanent class executive committee. Bob Jordan, past IFC president, was chosen by a large margin to lead the

class through the coming years; he will be assisted by Huber Warner, vice-president, and Herb Johnson, secretary. Successfully fighting their way to the top for position on the executive committee were Bob Phinney, Richard Burgie, Jim Austin, Larry Boedecker, Jorge Alfert, and Bob Parente. The 126 seniors who appeared at the election booths comprised a rousing fifteen percent of the class.

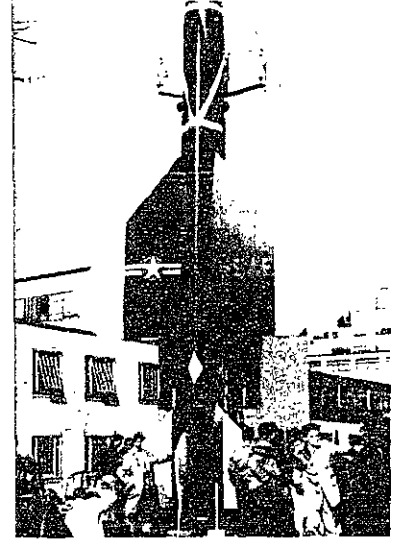
Battling his way to victory over six other hopefuls for the presidency of '59 was Walt Humann; Buddy Long, an ex-prexy, will serve as his first assistant, and Dave Packer, beginning his third term on office, will handle the paper work and heavy financial problems. Showing a little more interest than the seniors, 209 juniors, twenty-four percent of the class, cast votes for their favorites.

### Four Votes Decide '60 Prexy

The closest race of the day came when Jack Edwards took the office of '60 class president by a scant four votes from the past-president, Bob Linehard unlike the other three classes, which give the office of vice-president to the second place candidate for the presidency and which combine the offices of the secretary and treasurer, the sophomores have to vote for four separate offices by order of their constitution. Alan Shalleck was re-elected to the vice-presidency, while Don Weaver moved from treasurer to secretary; Duwayne Burson is the new class treasurer. The percentage to vote per class rose to thirty-six as 312 sophomores cast their ballots.

Ferociously fighting their way to the polls, 409 freshmen, hitting a high mark for the day with almost fifty percent, were given the chance to choose between eight candidates for the office of president and five for secretary-treasurer. Several, who had taken out petitions specifically for the office of vice-president, sadly marked the ballots on which their names did not appear. Copping the presidency by only twelve votes was Dorsey Dunn, past holder of the now non-existent Inscomm rep post; Ken Singer, past-president, dropped to the vice-presidency. A newcomer to the executive committee is secretary-treasurer William Lefler.

In addition to choosing the class officers, a total of sixty-seven commuters elected their new officers. Howard Kaepflein '59 will serve as commuter prexy for the coming year, while Paul Brown '59 and William Golding '59 will serve as vice-president and treasurer, respectively.



A young fellow hurrying out of focus as there is a small spherical object the nose of the Bomarc missile outside of a building seven. Or perhaps he simply wants to be on time for the countdown at the spel.

## Chaplains Receive New Quarters

## Memorial Drive Site Ready for Chaplains

The representatives of the various religions on campus moved into new quarters Wednesday where their administrative and organizational requirements may be met. The welcome addition to the religious staff has come in the form of a brownstone building on Memorial Drive between Center and Graduate houses. The staff formerly located their offices in the third floor of the Hayden Library. The close proximity of the religious center to the MIT chapel is in itself a marked advantage over their previous location which required an inconvenience of travel to the Chapel. The building provides office space for participating staff. At present, the building includes the secretary's office on the first floor, seminar rooms on the first and second floors, and offices for various members of the clergy on the second and third floors.

The new center will probably see use in almost every field of religious activity at MIT. The offices of course will continue to be used for individual conferences which occur between clergy and students. Moreover, the numerous religious groups on campus, including the Baptist Student Union, the Christian Science Organization, the Hillel Foundation, the Inter-varsity Christian Fellowship, the MIT

Orthodox Christian Fellowship, the MIT Seabury Society, and the Technology Catholic Club, will now have a central focal point in which activities, both within the individual group and with MIT, may be coordinated. In addition, the seminar room will be used for numerous study and discussion groups, classes, lectures, and student panels, and other meetings scheduled by the religious staff.



The three MIT chaplains who will be occupying the new religious center are, from left to right: Rev. Robert Holtzapfel, Rabbi Herman Pollack, and Father J.E. Nugent.

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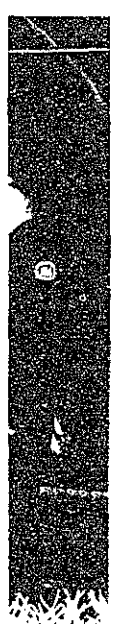
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# The Tech

VOL. LXXVIII March 7, 1958 No. 8

Entered as second class matter at the post office at Boston, Massachusetts. Published every Tuesday and Friday during the college year, except during college vacations, by THE TECH, Walker Memorial, Cambridge 39, Mass. Telephones TRowbridge 6-5855-6 or UNiversity 4-6900, Ext. 2731.

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## brush Strokes

Works of palette and mallet from the hand of Richard Filipowski, Professor of Visual Design, are now on display in the Faculty Club Lounge. Mr. Filipowski has adopted a bold, geometric abstract-expressionist style in both his metal sculpture and his paintings. The 30 - 30 - 120 degree isosceles triangle is the dominant motif in all his works, with the figure of the oval being a subordinate theme.

Among Mr. Filipowski's sculptures are two wire screens, resembling a cross between a fence and a furze-bush. He has also made several machined stainless steel cut-out patterns.

His paintings are built up as a thick white gouache over an asphalt background, with the design of the ubiquitous isosceles triangle scratched in, occasionally accompanied by a few ovals. He is very sparing in his use of color, occasionally condescending to use some stark reds or browns. One of his works, consisting solely of triangular outlines, resembling nothing so much as an astigmatic view of Chartres Cathedral. Mr. Filipowski has experimented on backgrounds. He has tried one made of india-ink scribbles, as well as using a flat black gouache.

The works on display never fail to elicit interested comments from faculty members passing by. As is usual with such extreme avant-garde work, the comments are never noncommittal; the reaction is either violent disapproval or warm appreciation.

—JIS

## Up, Up And Away

It looks as though tuition is due to soar again. For the second time in three years MIT men will have to fork over another 200 dollars to meet the demand of rising costs. The Administration is justifiably anticipating the move by meeting with responsible campus groups, explaining to them the situation, and hoping for a sympathetic response.

MIT is probably due a sympathetic response. Not only is the Institute feeling the squeeze of an unsettled outlook for sponsored research, but large industrial gifts have diminished. It should be remembered also that tuitions in several other major universities have already reached the twelve to thirteen hundred dollar range. MIT will soon be on top again.

It is ironic that a so-called recession in the country at large should reduce the dollar's power to buy the opportunity for education. Many observers have suggested that organized labor's everlasting demand for higher wages is currently pushing the economy less in an inflationary direction than toward recession. As usual, it is almost impossible to fix the blame in a complex economic situation of this sort. However, the fact that prices continue to rise while business grows increasingly timid suggests that someone is interfering with supply and demand. Whoever the culprit, would it be unreasonable to ask the unions to help support higher education? Some part of the UAW's 50 million dollar strike fund might be used either to put labor's sons through school or for direct payments to the universities. At any rate, it would be a peaceful gesture.

Business at the Office of Student Aid will take a sizeable leap by next fall. It is likely that the increase in money loaned will be greater than any rise in unconditional grants. In fact, scholarship funds could very well be shorter next year.

—SWW

## letters

February 24, 1958

To the President of MIT:

(An Open Letter)

I would like to question the reasoning, authority, and intention of the display of weapons of mass destruction in the lobby of a scientific and humanitarian institution.

I do not think that an institution dedicated to the human mind and its creative possibilities should so satirize its own premises. I resent that my trust in the Massachusetts Institute of Technology and my personal freedom be so abused.

If, however, we are to excuse this exhibition as an expression of an extant phenomenon, then all facets of the phenomenon should be exhibited simultaneously. That is, to express truly what a missile (sic) is, have all the missiles loaded, and delicately triggered; and to demonstrate clearly the humanitarian's study, intersperse the exhibit with pictures of the human effects of Hiroshima and Nagasaki.

Sincerely,

Michael B. Marcus  
National Science Foundation  
Predoctoral Fellow  
Department of Mathematics

— Jaffrey Chaucer

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# Vast Cosmic Ray Station in Mexico Will Explore High Energy Particles

The largest cosmic ray shower experiment ever attempted will be set up by MIT physicists in New Mexico next June, it was announced Tuesday. Installation of the equipment will be completed by September, at which time the experiment itself will begin. Funds for the project are being provided by a two-year grant of \$134,000 from the National Science Foundation.

Dr. John Linsley will be in charge of the experiment, which will run through September 1959. He will be assisted by Dr. Livio Scarsi, on leave from the University of Milan, and Professors William L. Kraushaar and George L. Clark, as well as members of the faculty of the University of New Mexico.

The research area will sprawl over twenty-five hundred acres of the Volcano Ranch, fifteen miles west of Albuquerque. The apparatus will include seventy-six scintillation counters associated components, linked together with forty miles of coaxial cable. With this equipment the scientists will measure the size of the cosmic ray showers striking the earth and the energies of the primary cosmic ray particles that caused them. MIT-New Mexico experiment will be an extension of an earlier study carried out at Harvard, which covers an area of fifty acres.

When Billion Billion Electron Volts one of the showers recorded at Harvard was caused by a cosmic ray particle entering the earth's atmosphere with an energy of nearly 10,000,000-

000,000,000,000, electron volts. This is over a billion times the energy that has been developed in the largest particle accelerators.

Dr. Bruno Rossi, head of the Laboratory for Nuclear Science, says of the project: "We hope in New Mexico to push exploration of the high-energy end of the cosmic ray spectrum at least one factor of ten beyond the limit of our Massachusetts experiment. If cosmic ray particles of 100 billion billion electron volts exist, they ought to be revealed by the New Mexico plant.

### Rays From Other Galaxies?

"One principal interest of these experiments lies in the fact that, according to present theories, cosmic rays of more than a billion billion electron volts of energy cannot be produced within the galactic disk. We are thus looking at particles that have been accelerated outside of this disk, perhaps in the galactic halo—perhaps farther away. It is indeed quite possible that they may have come in part from other galaxies, millions of light years away from our own."

# Institute Personnel Affected By Heavy Research Cutbacks

The research cutbacks, which this year caused considerable concern in the Placement Office, have also affected other areas in the school.

Since the cutbacks began, ninety-seven notices of layoffs have been received at the Lincoln Labs and thirty notices in the various campus laboratories. However, of the sixty-nine that were actually terminated, most have received new jobs, either in the Institute or with outside concerns. Malcolm G. Kispert, administrative Vice-President, said Tuesday, "To my knowledge there are no personnel being laid off due to research cutbacks; if there are, the number is exceedingly small. Also I have no knowledge of anticipated future layoffs."

Government sponsored research cutbacks did not materially affect MIT's financial structure; while some difficulties were encountered in the renewal of certain research contracts, they had no serious implications with regard to the finances of the Institute.

# Organ Concerts, Chapel, Kresge

Two organ recitals will be presented here during the coming week. On Sunday, March 9, a free concert will be given in the MIT chapel at 4 P.M. Kenneth Larson, Robert Geopfert, Christopher Calladine, and David Johnson will play the Holtkamp organ. Dr. Arthur Loeb of the electrical engineering department will accompany on the recorder.

Next Wednesday, March 12, there will be an organ recital in Kresge Auditorium. Walter Blodgett, who is associated with Case Institute, the Cleveland Museum, and St. Paul's Church in Cleveland, will play here at 8:30 P.M. The program will include works by Buxtehude, Sowerby, Sweelinck, Hindemith, and Dandrieu.

Tickets for Mr. Blodgett's concert, costing one dollar, may be purchased in advance at the MIT music office, Room 14-N236, or at the door. All seats are unreserved.

Richard Dyer-Bennet, tenor and guitarist, will give a concert of folk and art songs in Kresge on Sunday, March 16, at 3 P.M. Tickets at \$3.00, \$2.50, and \$1.75 are on sale at Kresge, extension 2902.

# Fund Campaign for Faculty Salary Hike Near Planned Goal

At a press conference Tuesday, Malcolm C. Kispert, administrative vice-chancellor, announced that the drive to raise \$5,000,000 for a "wasting" fund to increase faculty salaries is now three-fourths of the way toward a scheduled June completion.

This program was first made public in the "Report of the President", which was published in early November. Under this plan, Alfred P. Sloan offered to contribute \$1,250,000 through the Sloan Foundation if the Institute could raise \$3,750,000.

This money will be used at the rate of one million dollars per year to raise the faculty salary level which now ranks among the top six in the country.

President Killian, in his November report stated that raising faculty pay is the immediate concern of Institute financial policy, and that, "Insuring the future strength of MIT requires and justifies" this "unconventional and bold" step to increase faculty compensation.

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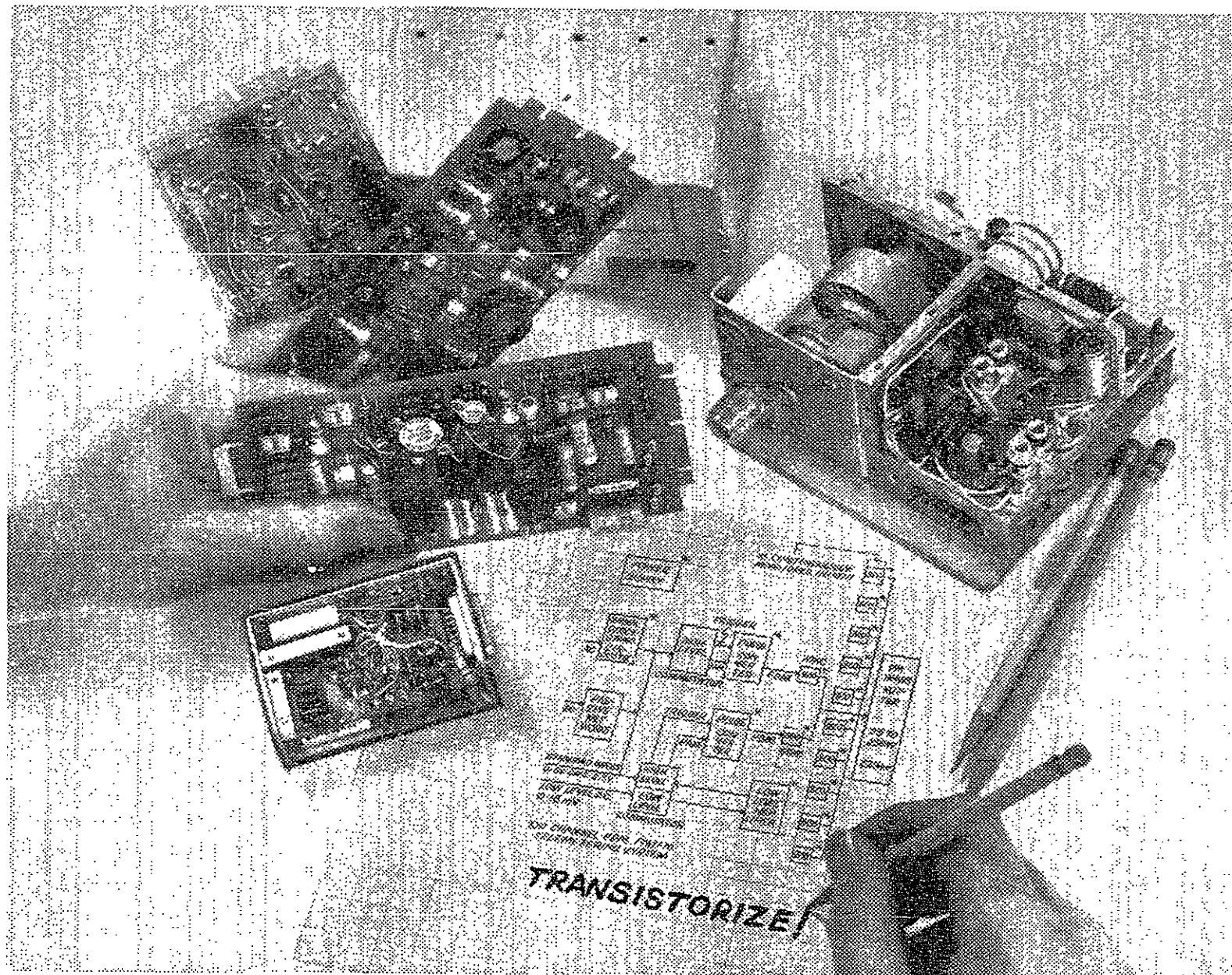
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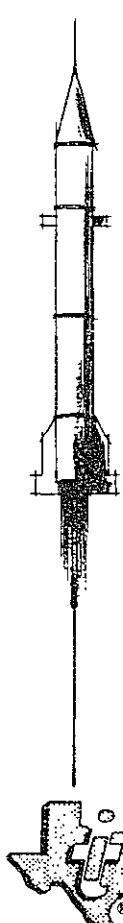


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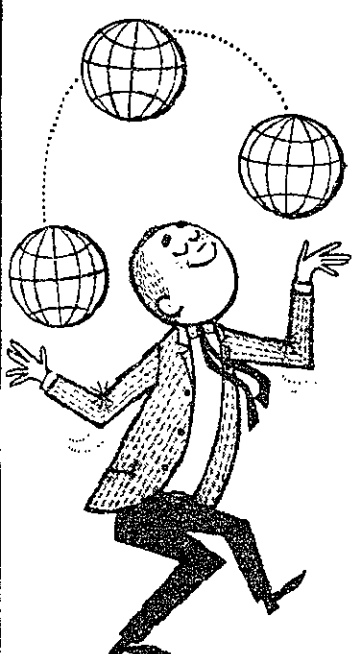
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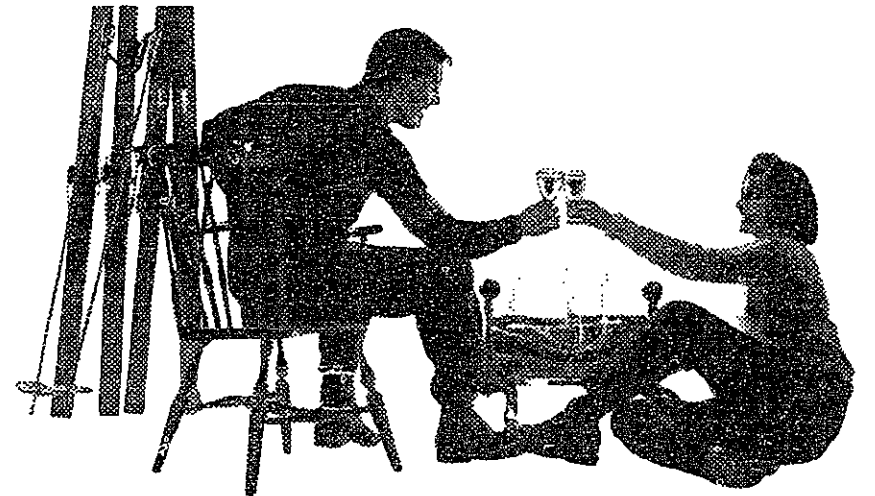
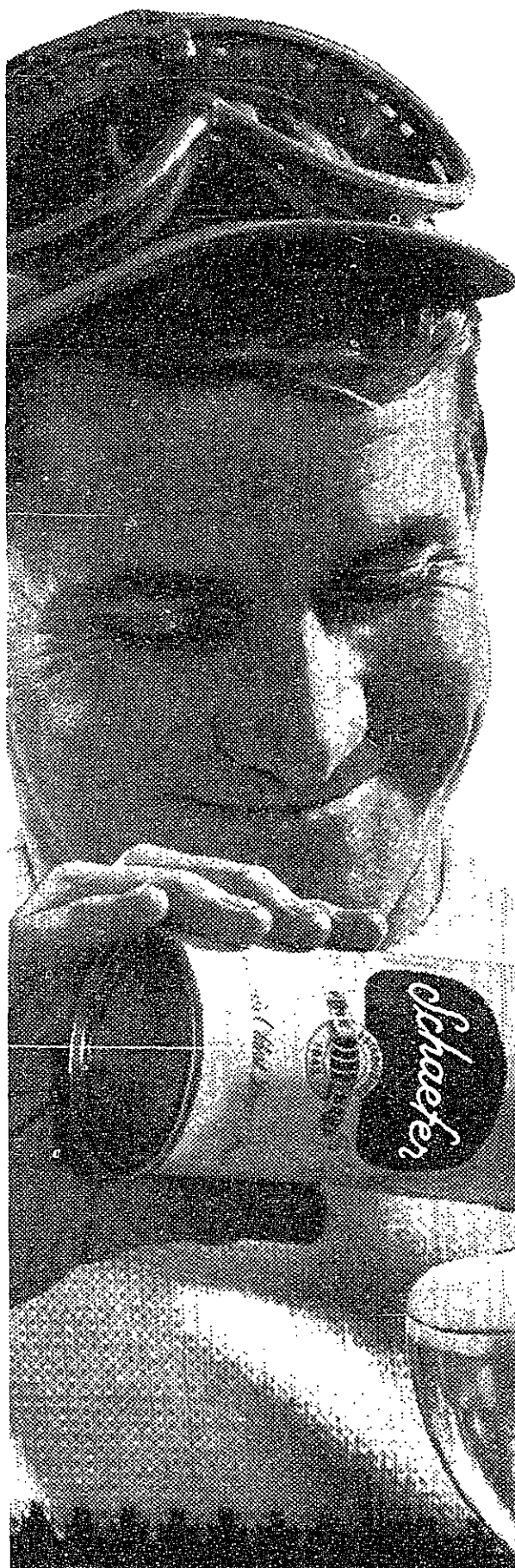
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# Two People Saved from River by MIT Student in Thrilling Rescue

A misdirected Boston driver, a water-logged would-be rescuer, and an intrepid MIT Lab instructor all figured in a drama of raw human courage last Tuesday.

The episode began at 8:30 AM on Memorial Drive, in front of the Riverside Boat House. With the customary accuracy of Boston drivers, one of the cars in the stream of traffic steered off Memorial Drive and into the Charles River. The unfortunate driver of the car succeeded in climbing out and, with incredible presence of mind began swimming to shore—across the river, that is, to the Boston side.

Meanwhile, several people had stopped to watch the spectacle. One brave man valiantly pulled off his shoes and dove into the murky waters of the Charles to effect a rescue. However, he soon became thoroughly

waterlogged and had to hang on to the half-submerged automobile to prevent himself from sinking. The poor victim continued swimming towards Boston.

### Bob Lange To The Rescue!

It was then that Robert C. Lange, a graduate student of MIT and an instructor in freshman chemistry laboratory, stirred himself to action. Stripping to essentials, he plunged into the water and streaked out to the unfortunate driver. Turning him around toward the Cambridge side, Lange helped him as far as the car, which was by this time floating gently down stream. He then picked up the other, would-be rescuer, and ferried both people to safety.

Why did Bob Lange endanger his life and health in this heroic effort? He says: "I felt that someone had to do it—so I went in."

# Mahoney Is Named To Cultural Council Seat by Eisenhower

Thomas Mahoney, an associate professor in the department of humanities, has received a governmental appointment from President Eisenhower. Prof. Mahoney was named to the thirty member American People-to-People Committee.

This committee, which includes the composer-conductor Leonard Bernstein and Ralph Sprall, president of the University of California, was set up to establish international goodwill on an interpersonal basis. Its main aim is to encourage civic groups in the United States to adopt "sister cities" in foreign lands. These sister cities will hold public celebrations in each other's honor. Such a program has been begun on a pilot scale between Port Angels, Washington, and Rosenheim, Germany.

Prof. Mahoney has been active in social work on campus. He is faculty advisor to the Catholic Club, and was master of ceremonies when Archbishop Cushing spoke here.

# House Presidents, Dorm Con Officers Elected in the Dorms

Elections for House Committee chairman were held in the three dormitories last Tuesday. The results are as follows:

In Burton House, Al Bufferd '59 won, replacing Lew Cohen '58.

In Baker House, Otis Bryant Jr. '59 was unopposed for the post. He replaces Howard P. Zeiger '58.

Adul Pinsuvana '59 takes over the post of East Campus house president from Bill Levison '58.

In elections last Thursday, Dormitory Council president and representatives were elected. The new Dormcom president is George Connor '59, from Burton House.

### ERRATUM

The New England Sabre title was incorrectly attributed to Barrie Shabel '59 in the last issue. Actually, Barrie won the foil title.

# WTBS Open House Will Be Held Sunday; All Students Invited

WTBS's last membership drive before becoming an FM station will be highlighted this weekend by Open Houses tomorrow and Sunday at their facilities in the basement of Ware in East Campus. Undergraduates and grad students alike are invited to attend.

Since a drive for more publicity and advertising is soon to be inaugurated, personnel is particularly needed in these departments. There are spots available for would-be announcers in the popular, classical, jazz, news, sports, and campus affairs departments, and also positions on the engineering and technical staffs.

In addition to the usual Open House proceedings, there will be a special program conducted to demonstrate how a show goes on the air.

### SQUEEK! SQUEEK!

The Mickey Mouse Club of East Campus announces its annual membership smoker, on Sunday, March 9th, at 3:00 P.M. in Crafts Lounge. Prospective candidates and interested onlookers are welcome to partake of our hospitality.

### AHRIMAN SOCIETY

The Ahriman Society will hold a meeting with representatives of the Administration and the Corporation to discuss the problem of rising tuition and financial assistance. All new members inducted at past pledge meetings will attend.

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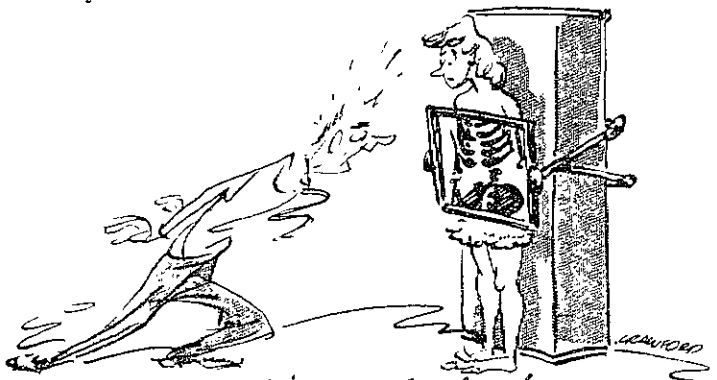
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(By the Author of "Rally Round the Flag, Boys!" and "Barefoot Boy with Cheek.")

### SCIENCE MADE SIMPLE: NO. 2

Though this column is intended solely as a vehicle for well-tempered drollery, the makers of Marlboro have agreed to let me use this space from time to time for a short lesson in science. They are the most decent and obliging of men, the makers of Marlboro, as anyone can tell from sampling their product. Only from bounteous hearts could come such a lot to like—such filter, such flavor, such flip-top box. The filter works; the flavor pleases; the box protects. Who can resist such a winning combination? Surely not I.



Medicine can be fun!

Today let us take up the science of medicine, which was invented in 1066 by a Greek named Hippocrates. He soon gathered around him a group of devoted disciples whom he called "doctors." The reason he called them "doctors" was that they spent all their time sitting around the dock and shooting the breeze. In truth, there was little else for them to do because disease was not invented until 1477.

After that, doctors became very busy, but it must be admitted that their knowledge of medicine was lamentably meagre. They knew only one treatment—a change of climate. For example, a French doctor would send all his patients to Switzerland. A Swiss doctor, on the other hand, would send all his patients to France. By 1789 the entire population of France was living in Switzerland, and vice versa. This later became known as the Black Tom Explosion.

Not until 1924 did medicine, as we know it, come into being. In that year in the little Bavarian village of Pago-Pago an elderly physician named Winko Sigafons discovered the hot water bottle. He was, of course, burned as a witch, but his son Lydia, disguised as a linotype, made his way to America where he invented the Mayo Brothers.

Medicine, as it is taught at your very own college, can be divided roughly into two classifications. There is internal medicine, which is the treatment of interns, and external medicine, which is the treatment of externs.

Diseases also fall into two broad categories—chronic and acute. Chronic disease is, of course, inflammation of the chron, which can be mighty painful, believe you me! Last summer my cousin Haskell was stricken with a chron attack while he was out picking up tinfoil, and it was months before the wretched boy could straighten up. In fact, even after he was cured, Haskell continued to walk around bent over double. This went on for several years before Dr. Caligari, the lovable old country practitioner who treats Haskell, discovered that Haskell had his trousers buttoned to his vest.

Two years ago Haskell had Addison's disease. (Addison, curiously enough, had Haskell's.) Poor Haskell catches everything that comes along. Lovable old Dr. Caligari once said to him, "Son, I guess you are what they call a natural born catcher."

"The joke is on you, Doc," replied Haskell. "I am a third basemen." He thereupon fell into such a fit of giggling that the doctor had to put him under sedation, where he is to this day.

But I digress. We were discussing medicine. I have now told you all I can; the rest is up to you. Go over to your med school and poke around. Bring popcorn and watch an operation. X-ray each other. Contribute to the bone bank . . . And remember, medicine can be fun!

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### Stickmen In Practice For New York Trip Many Veterans Back

The varsity lacrosse team will go to New York Spring vacation to meet a traditionally strong Hofstra team and to scrimmage with CCNY, Penn State and Stevens.

Workouts for the squad began last week under the tutelage of the new assistant coach Bruce Blanchard '57, one of the stalwarts of last year's team. Turnout is not as great as was hoped, but a number of experienced players are out—and at this point prospects for the season look fairly hopeful.

Among those returning from last year are Hubie Warner '58, Rich Johnson '58, Chuck Fitzgerald '59, Jim Russell '59, Jon Weisbuch '59, Larry Boyd '59 and Dick Browder '59 who should add much to the squad. Up from the frosh stickmen are a number of good prospects including Fritz Frank, Danny Michaels, Chuck Conn, Don DeReynier, and George Meyers.

Coach Ben Martin will take over full responsibilities this week, now that the hockey season has ended (see page 7).

#### Large Frosh Turnout

Charlie Batterman, successful soccer coach, is taking over the Frosh squad for the second year. As always, there is a large turnout—but many of the hopefuls have no experience and it is still too early to make predictions.

At present both teams are working out in the Armory; practice will move into the cage as soon as the basketball floor is taken up. The varsity is looking to a better year than last, which ended with MIT on top only twice. Last year's squad played better than the records show, however, and the number of returnees make for high hopes for a successful season for the Martinmen.

### Bushleaguer

## Sigma Chi Captures IM Ice

Sparked by the fancy stickhandling of Norm Meyers '59, Sigma Chi downed defending titlist Graduate House 4-1 in the championship game of the intramural hockey league Wednesday evening. The victors grabbed an early lead in the opening period when Meyers scored the first of his two goals. The Grads knotted the scores as Jack Blum blasted one into the nets.

Sigma Chi took a decisive lead in the second period as Meyers scored again, and Charlie Lawes '59, added another tally just before the buzzer. The lone score in the third period was by Sigma Chi's Bill McArthur '58.

In earlier contests Sigma Chi topped Phi Beta Epsilon 2-1, and Grad House beat 5:15 Club 3-1. The final standings

find Sigma Chi on top, G and Phi Beta Epsilon tied and 5:15 in fourth.

This year's intramural games were played under The major switch was ti tion using hockey pucks i previously used tennisball change was in the appa players, as this year fr wearing protective uniform pre-season apprehensions the number of injuries, t saw only three mishaps as to five last year.

Intramural hockey ma Weisbuch '59, was highly p the caliber of play this yea it was a vast improvemen season.

## Wesleyan Edges Beaver Tank

## West Breaks Breaststroke Re

Plagued by bad turns and a slow pool, the varsity swimmers dropped a meet at Wesleyan 46-40, while the frosh lost theirs by a close 40-37 score.

After the opening medley relay victory of Al Hortman '58, Burnell West '60, Charlie Rook '60, and John Windle '60, MIT led the home squad. Captain Murray Kohlman '58 splashed to victory in both the 220 and 440 yard freestyle events in times of 2:25 and 5:19. After a second in the 50 yard sprint by Roger Kane '59, Dave Cahlander's '59 high flying form won him first in the diving competition.

#### West Sets New MIT Varsity Record

The highlight of the meet was Burnell West's outstanding performance in the 200 yard breast stroke to give him a new MIT varsity record in

that event. His time of 2:35 put him in line for further honors. The 200 yard back Al Johnson '58 place f Windle shot into second a tight 100 yard sprint.

After losing the openi Pete Bankson shot back close second in the 200 Captain Tom Ising won th butterfly with Tony Silv on his heels. Mitch Brodki Watson then placed 2-3 in John Banzhaf edged out V the 100 yard sprint, wh Stephany did the same in th backstroke. A second plac Essene in the breaststroke ring relay, credit Jim Fra the close meet.

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# MIT Sextet Bows To UMass In Overtime George Kirk Tallies Twice For Engineers

Fighting, scrapping, battling to the last whistle, MIT's hockey team closed out its season Tuesday night by losing the season's most thrilling game to the University of Massachusetts in overtime. Fighting uphill the entire game, Tech managed to tie the game 3-3 with two seconds left in regulation play despite the fact that two men were on the ice with penalties. Then in a thrilling, if anti-climatic, overtime, Tech again went two men down and this time was U. Mass., scoring on a power play with only 40 seconds remaining after which the game would have been over. The impressive play shown by the Martinmen can be demonstrated by the fact that U. Mass beat Amherst who beat Williams, who beat Tech 12-0.

Hero of the game was sophomore George Kirk who tallied two of the goals and was credited with an assist on the third tally. George ended up as high point man of the season and this coupled with the fact that only three regulars will graduate makes prospects for next year a little brighter. Unfortunately for Tech, MIT's captain and outstanding defenseman Paul Ekberg '58 who has been out for most of the season with a broken ankle could not be on the ice Tuesday night.

After a scoreless first period U. Mass started things rolling with a goal at 3:10 of the second period. At 10:40 Kirk picked up a puck from the sticks of George Peckingham '59 and Sullivan '58 and put in the tying tally. U. Mass grabbed the lead right back at 17:45, but with only 20 seconds left in the period Paul Skala '58 took a pass from Kirk and hit the net to make it 2-2.

The visitors opened the third period with a goal at 2:58 and it appeared that Tech would tire in the third period as in the previous two games. The tide shifted back and forth, however, and play became very fierce as Tech attempted everything possible to tie the score. Things got real rough at the 18:15 mark with a U. Mass man starting a fight that resulted in the ejection of both participants. Another Tech man went off for drawing blood so Tech coach Ben Martin yanked goalie Dick Burgie '58 and put out four forwards. The strategy paid off as Kirk plowed in the goal to tie it from right in front.

**40 Seconds to a Tie**  
MIT was fighting uphill the entire overtime with a tired squad, and the goal finally came in at the 9:20 mark. The goal came with four men piled in front of Burgie and Dick never had a chance.

Special credit must be given here to goalie Dick Burgie who must certainly know what a "sitting duck" feels like—it is too bad that despite his efforts Tech was never quite able to come out on top. For the few team fans who have waited since the New Hampshire game two years ago for a win, the season was certainly an improvement over last year's play which although at times was more skillful was never as spirited. With some help from the freshman team, next year's squad could put Tech back on the winning side of the ledger—see you next December!



Action takes place in front of the nets in Tuesday night's game with U. of Mass., which the Techmen dropped in overtime 4-3.

There will be three course meetings next week. Mathematics is in room 2-290 at 4:30 P. M. Monday. Chemical engineering is in room 12-182 at 5 P. M. Tuesday. Physics is in room 10-250 on Wednesday.

The Burton House "Egghead Seminar" has programs arranged for the next two weeks. At 8 P. M. on Sunday, March 9, Dean Rule will speak. On the following Sunday, Professor Hans Mueller will be the guest. Both meetings will be in the 420 Lounge.

# MIT Oarsmen To Row Tomorrow Coach Dubois Has Large Turnout

With the assistance of suitable weather, MIT's varsity and freshman crews expect to be out on the Charles River tomorrow afternoon at 12:30 for the first outdoor workout of the 1958 spring season. The boys have been training indoors for the past three weeks and have been eagerly waiting for the Charles River ice thaw. This year's crop of Beaver crewmen will be one of the most enthusiastic ever to hit the water.

New head mentor, Frank Dubois, who handles the varsity heavyweights, currently has a rather large turnout of four boatloads of oarsmen under his instruction. Many of these boys are veterans of last season's frosh heavies, that has the best record of the 1957 Beaver eights.

Val Skov '55 is training the Engineer varsity 150 pounders, who fill more than two shells now to give them needed depth.

The yearlings rowing fortunes are in the hands of Bob Doyle and Bob Kent, who handle the heavies and lights respectively.

### Season Opens April 19

MIT's rowing debut will take place on April 19 when the Beaver varsity lights race Harvard. The following Saturday will see them meet Navy in addition to the Crimson. That same day, the heavies face Harvard, Syracuse, and BU. All of these contests will be held on the Charles.

Princeton will be hosts to Tech, Rutgers, and the Cantabs for the Compton Cup on May 3, while the lights travel to Hanover to try for the Biglin Cup.

BU, Columbia, and Wisconsin will be here to face the heavies the next

weekend while Val Skov's charges see action in New York.

One of the highlights of the spring rowing season, the EARC sprint championship, is planned for May 17; lightweights on the Charles and heavies at Princeton.

The schedule closes with Dartmouth and the IRA regatta at Syracuse.

# Swimming Mark Set By Coed Schumacker

by John R.B. Disbrow, Jr. '61  
Five feet nine inches of blond coed backstroked 200 yards in 2:29.7 in the Yale Pool February 15, to set a new Junior National Bachelor record. Betsy Schumacker, a sophomore Math major shaved 6.7 seconds from the previous record at the Junior National Bachelor Championship in New Haven.

Though Betsy practices in the Tech pool during school, she officially swims out of Vesper Swim Club in Philadelphia and while doing so has held every Middle Atlantic swimming record. In addition, this aquatic star, in August of '56, was runner up in the three mile distance swim in the National District Championships at Lake Placid. In the summer of 1957 she qualified for and participated in the finals in a number of events in the Nationals at Houston, Texas, placing in two events.

Betsy is a familiar sight to everyone around the Alumni Pool. Not only does she practice from 7:15 to 9:00 in the morning and coach our mermen a bit in the afternoons, but she also acts as judge and timer at most of the Varsity and Frosh swimming meets held here.

# Beaver Pistol Squad Overcomes Harvard; Loses To USCGA

At a triangular meet held at the Harvard pistol range last Saturday afternoon, Tech's sharpshooters conquered the Crimson 1279-1238, but dropped the other contest 1362-1279, to the Coast Guard Academy.

The Engineers' victory was led by Ed Newton '58, one of the top scorers in New England, who fired 271. Other Beavers who tallied were Bill Cooper '58, 260; Mike Neidich '60, 258; Bill Eldridge '60, 246; and Mike West '58 244.

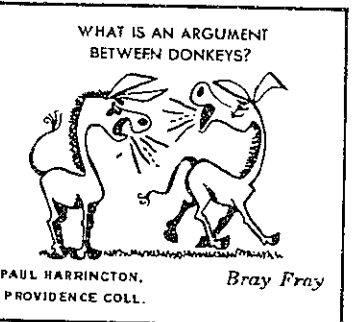
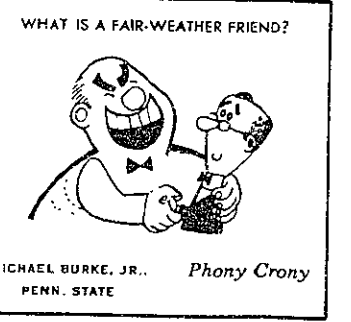
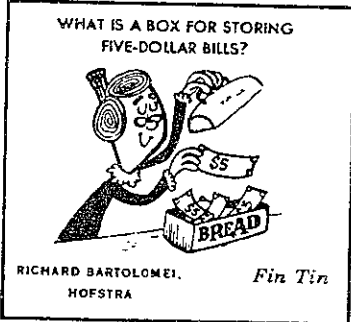
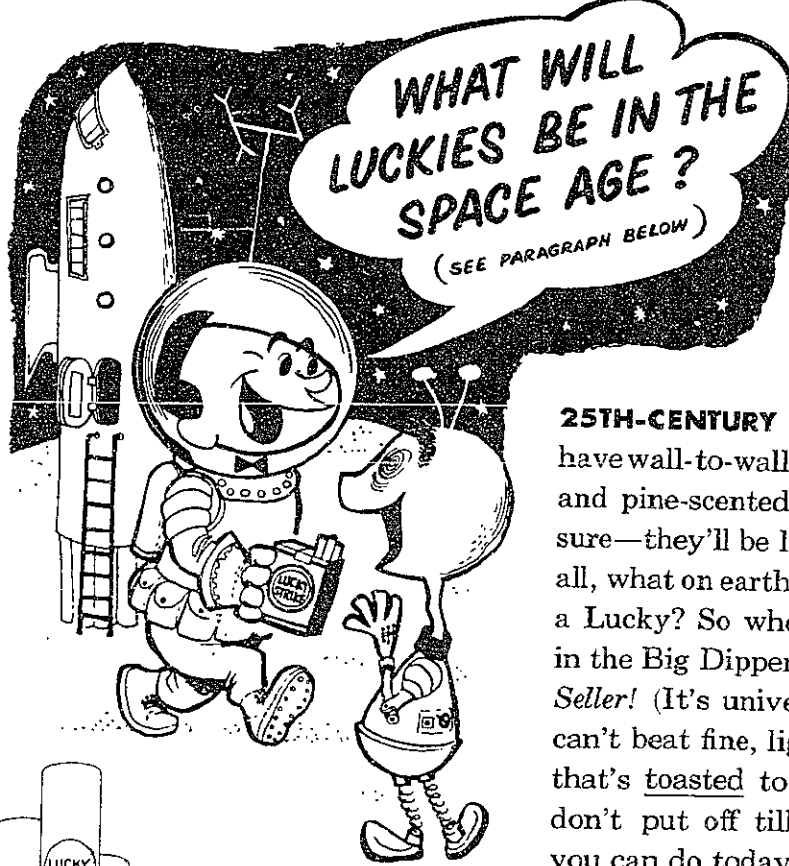
Under the coaching of Captain Harry Crooke, and the managing of Mike Wolfson '60, the MIT marksmen have compiled a record of six victories and six defeats.

Organ Recital by  
**WALTER BLODGETT**  
Wednesday, March 12, 8:30 P.M.  
Kresge Auditorium, M.I.T.  
Tickets \$1.00 (Unreserved) from  
Room 14-N236, ext. 892  
Student and Staff rate \$5.00

M.I.T. Humanities Series presents  
**ERNST LEVY**, pianist  
in a program of works by  
**BEETHOVEN**  
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Sonata, Op. 53 (Waldstein)  
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Tickets \$1.75 (Reserved) from  
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fore nine a.m. Friday.

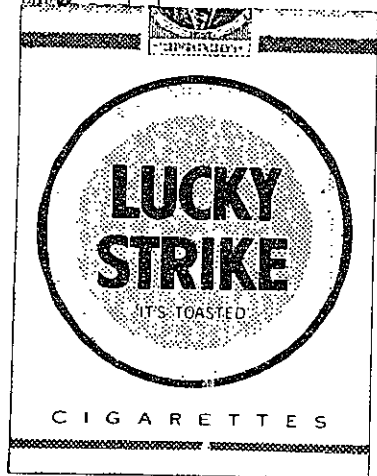
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## Riflemen Crush Tufts Nelson, Pellar Star In 1433-1317 Win

In a greater Boston Collegiate Rifle League Match Wednesday night, the Beaver rifle team extended its fine record by defeating Tufts College 1422 to 1317. High man for MIT was Louis Nelson '59, 286. Other scores included Ronald Pellar '59, 286; Robert Voigt '59, 285; Marty Zimmerman '59, 284; and Dwight Moody '59, 281.

MIT hopes are running high as the team practices in preparation for the New England Collegiate Rifle League finals to be held this Saturday at Boston University.

Also one week from this Saturday the sharpshooters compete in the New England Sectionals of the National Rifle Association national championship. Coach Robert Mattson hopes the team will do as well as it has done in past years, in bringing home one national championship and placing in the top ten several times.

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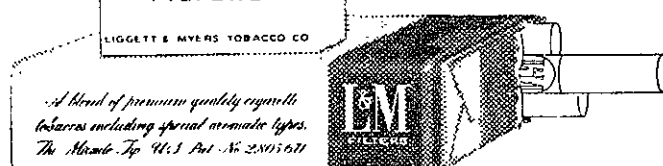


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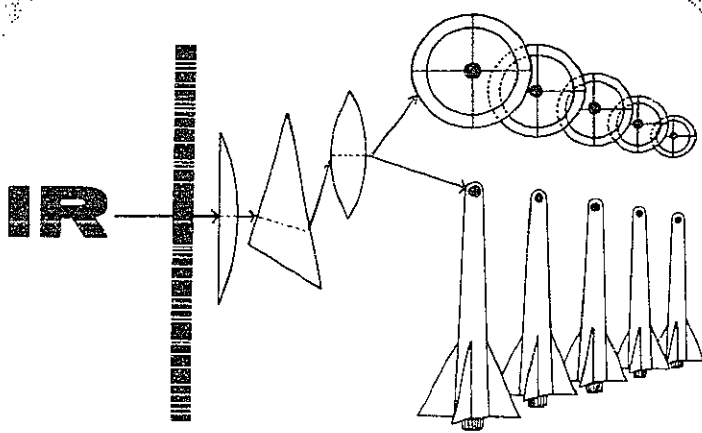
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