



5 Year Development

Accelerator Need Noted In 1952

Prof. M. Stanley Livingston of the physics department has spent his lifetime designing and perfecting many types of particle accelerators. The new six billion volt electron accelerator, to be run jointly by the Institute and Harvard, is the latest in a long line of similar machines that Prof. Livingston has designed.

Dr. Livingston's doctorate thesis was on the design of the first cyclotron, which was built at the University of California. For the thesis he designed a total of three cyclotrons at Berkeley, the largest of which was a 5 million volt machine. From California he went to Cornell Uni-

versity where he worked on the 2 million volt cyclotron there. Dr. Livingston was at Cornell for four years, from 1934 to 1938, after which he came to the Institute to design the Institute's cyclotron. This accelerator has been in operation since 1940 and is presently operating at an energy level of 16 million volts. He has been at the Institute since that time, with the exception of a 2 and one-half year absence spent at Brookhaven designing the 3 billion volt cosmotron—Brookhaven's proton accelerator.

In 1952 it was decided that the Institute needed an accelerator of an energy level of the order of magnitude of 5 or 6 billion volts. In 1954 a design study was inaugurated. About the same time it was learned that Harvard was interested in building a similar device, so the two schools decided that it would be best to work on such a large project together. In July of 1955 Congress authorized the funds for the construction of two accelerators at universities, at about five million dollars each. December of the same year Harvard and MIT submitted a proposal in the competition for these congressional funds. The Atomic Energy Commission, acting as judge for this competition awarded the funds to the MIT-Harvard group and to the group from Princeton-Pennsylvania.

The machine will be located on the Harvard Campus. However, the policy committee, which shall decide on the uses of the device, is to be composed equally of members of MIT faculty and administration and of the faculty and administration of Harvard.

The major advantage of this new accelerator is that it will deliver a very sharp beam of gamma-rays, of an angular width of about one minute, and thus deliver a very high energy density. It is hoped that with this new powerful tool it will be possible to create reat densities of negative-protons

Sen. Saltonstall's Speech In Kresge Deals With Foreign Aid, Middle East

As an appropriate climax to International Week Senator Saltonstall delivered an eye witness report on the results and problems of American foreign policy abroad at Kresge Auditorium Sunday afternoon. In his travels abroad the prevailing tide of nationalism became most evident. Israel, Egypt, Thailand, Viet Nam, Indonesia are examples of this in their incessant drive for their own economic and military security without political strings attached.

Spirit of Independence

Due to the spirit of independence among the new young nations of the world, the question of military and economic aid looms larger than ever before. In the debate on the ways and means of distributing foreign aid Ambassador Lodge and Mr. Adlai Stevenson have suggested the possible value of channeling aid through the United Nations in the days ahead. Senator Saltonstall could see no advantage in such a plan. Accordingly he said, "I personally have felt a very strong doubt that channeling foreign aid through the United Nations will give us the best end results, since we would in all likelihood lose a great measure of the funds."

In the face of the current difference of opinion between long-term foreign aid and the elimination of all aid of any sort, the Senator suggested what might be called Selective Aid.

Selective Aid

"By Selective Aid I mean foreign those times, and for those countries which may well serve two valuable purposes:

"First, to assist friendly nations . . . to help them remain independent and to gain strength.

"Second, by such action to dramatize for all the world to see, both our country's practical friendship for another as well as our plain com-



Senator Leverett Saltonstall

mon sense in the world relationships. This plain common sense must recognize that these people feel exactly what we felt in the early days in our country, the desire to improve, to be helped in the process if need be, but first and foremost to be independent."

Render Ineffective

By such a plan it will be made possible to render ineffective the attempts of Russia to steal our thunder in the field of foreign aid.

This situation only aggravates the

crisis in the Middle East. According to Senator Saltonstall, "the greatest concern to us today is the Israeli-Egyptian dispute. On the one hand, we cannot permit Israel to be pushed into the sea . . . On the other hand, we need and want to retain the friendship of the Arab nations. The announcement of the Russians' desire to help settle differences in the Middle East reveals only one thing clearly: Russia has a definite interest in the Middle East."

Discusses India

The Senator went on to explain a similar situation in India. There, the type of government that most quickly raises the standard of living will prevail. So again the only course is to take the initiative from Russia.

The speech included a favorable report on such unpublished endeavors as libraries and small technical teams. Here he emphasizes the role of personality even in world politics.

Senator Saltonstall indicated that he was quite favorably impressed with the intelligence and the apparent good will of the foreign leaders whom he talked with. In every country he found interest in President Eisenhower's welfare, along with a great deal of respect and trust for the executive. He was of the opinion that the free countries of the world look to President Eisenhower for leadership. There was no doubt that the Senator felt that the President's return to the White House would greatly enhance the development of our foreign policy.

McElroy, P&G Head, To Deliver Address At '56 Graduation

Neil H. McElroy, President of the Procter and Gamble Company and distinguished public leader in education, will deliver the principal address at the graduation exercises of the Class of 1956 at the Institute on Friday, June 8.

Dean John E. Burchard of the School of Humanities and Social Studies will deliver the Baccalaureate on Thursday afternoon, June 7.

Commencement activities for the MIT Class of 1956 will begin on Friday, June 1, with the Senior Banquet. For the next five days through Tuesday, June 5, the Senior Week Committee has planned a series of social events including a moonlight cruise, a Boston "Pops" concert, and the formal Senior Ball.

Following the principal address at the graduation exercises by Mr. McElroy, President Killian will address members of the graduating class.

The graduation exercises will be followed by the commencement luncheon and the president's reception for members of the graduating class and their guests in the duPont Court.

Untermeyer, Winters Speak Here Today LSC, Student Personnel Sponsor Talks

Untermeyer Known For Poetry Volumes

Louis Untermeyer, well known American anthologist and poet, will deliver a Lecture Series Committee address at Kresge Auditorium today. The author of some sixty volumes of prose and poetry, Mr. Untermeyer is best known for his anthologies. Two *Modern American Poetry* and *Modern British Poetry* have been revised and amplified some eight times and have sold over a million copies. Both have gained widespread use in schools and colleges. Mr. Untermeyer has written as well books of humor, travel and a novel.

In the past a contributing editor of *Esquire*, *Holiday*, *The Saturday Review* and this week, he was selected as a contributor to the revision of the *Encyclopedia Britannica* articles on modern poetry. As a poet, his works have had wide distribution and he was awarded the 1956 Gold Medal for "Service to Poetry" by the Poetry Society of America.

Mr. Untermeyer's recent book—a series of pieces on modern historical figures—will provide the basis for his lecture titled "Makers of the Modern World". The ambitious na-



Anthologist Louis Untermeyer

ture of the book has led to some criticism of his choice of individuals which has to some extent been offset by respect for his facile prose. There is no admission charge for the lecture beginning at 5:00 p.m. in Kresge.

Untermeyer's lecture will be the last Lecture Series Committee sponsored address of the year.

Winters Is Graduate; Worked In Walker

A Nova Scotian who worked his way through MIT waiting tables and became a top Canadian statesman is coming back to the Institute to speak tonight. Robert H. Winters, now Canadian Minister of Public Works and right-hand man to the Premier in Parliament, will speak at 8 p.m. in Kresge Auditorium on "What Are the Contributions That the Working Students at MIT Make to Society?"

The son of a Halifax schooner captain, Winters came to Cambridge in 1931 to study electrical engineering. For five terms he was a student waiter at Walker Memorial. He graduated in 1934 with BS and MS degrees.

During World War II Winters served as a colonel in the Canadian Army and had a key role in the unloading of supplies for the Allies at Antwerp.

The leadership he demonstrated in Parliament led to his appointment as Minister of Reconstruction and Supply in 1948. He became Minister of Resources and Development in 1950 and Minister of Public Works in 1953.

Observation Of Military Day Here Highlighted By Parade, Inspection

Military Day will be observed at MIT on Tuesday, May 8. The day will consist of an inspection of all ROTC activities by a First Army Inspection Team and will be climaxed by a parade on Briggs Field at 4 p.m. During the ceremony thirty-three cadets of the Departments of Military Science and Air Science will receive awards and medals for their achievements. The Pershing Rifles will act as color guard for the formation, which will number about 1700 cadets. Music will be provided by the ROTC band directed by Major Frederick A. Harris.

Dr. James R. Killian, Jr. will be the reviewing officer. Others in the reviewing stand will include Major General Bryan L. Milburn, USA, Commanding General, Fort Devens; Major General Raymond C. Maude, USAF, Commanding General, Cambridge Research Center; Dean John E. Burchard, Dean of Humanities and Social Studies, MIT; Colonel Robert E. Doe, Massachusetts Military District; Colonel Andrew F. Gordon, Senior Inspector for Air Force team; Colonel Harmon Lamp-ley, Head of Department of Air Science and Tactics, MIT; and Colonel Charles M. McAfee, Jr., Head of Department of Military Science and Tactics, MIT.

Receive Awards

Among those receiving awards are Senior Army Cadet Colonel John M. Watts, Senior Air Force Cadet Lt. Col. Richard E. Quinn, Senior Army Cadet, Lt. Col. Richmond J. Laux, Senior Air Force Cadet Lt. Col. Russell L. Schweikart, Senior Army Cadet Lt. Col. McIver W. Edwards, and Senior Air Force Cadet Lt. Col. Paul Polishuk.

Following the awards ceremony the Army cadet regiment and the Air Force cadet wing will march in review.

Among those receiving awards for distinguished achievement at the Air Force review last Tuesday were Cadet Colonel James E. P. Davis, Cadet Colonel Paul S. Cianci, and Cadet Colonel Arnold P. Breeden.

34 Young Executives Named Sloan Fellows In Training Program

Professor E. P. Brooks, Dean of the School of Industrial Management, announced last night that thirty-four young business executives, chosen from a wide range of industrial concerns throughout the United States, have been awarded Sloan Fellowships for participation in the Course XV executive development program.

The executives come from fourteen states, Canada, and Switzerland. They will begin their one-year program in June.

"The fellowship men are chosen early in their industrial careers, when they have a long future service to industry ahead of them," says Professor Howard W. Johnson, director of the Sloan program. The fact that they carry on their work at such a center of technological development as MIT," he adds, "provides a special opportunity for them to view the long-range development of business in the perspective of technological advance, as well as within the economic and human framework of management problems."

The program itself, he says emphasizes orientation to the fundamentals underlying management action rather than a review of management policies and techniques.

The Tech

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political scene --- the issues

Editor's Note: This is the second of two parts of Mr. Kavesh's analysis of the vital segregation and civil rights issue.

Assuming that each side is willing to back down somewhat from its announced position, there are several forms that a compromise might take. For example, it might be agreed to avoid the civil right issue entirely in the party platform and leave candidates for Congressional and State office free to make of the issue whatever they felt was needed. This would serve both sides in State-wide and local elections but it would leave the presidential nominee in a devilishly tricky position. He could be damned by the Republicans—in the North as a candidate of the South and in the South as a candidate of the North. Even a liberal Northern candidate, assuming the South would agree to such a candidate, would be hard pressed to avoid a Southern label on his policies at least by implication. Such a maneuver would be a tacit admission by the Democrats that they have no civil rights plank in their platform.

Indeed, this might be too bitter a pill for Northerners to accept, depending as they do on a strong presidential candidate to sweep lesser officials into office with him. Congressional and State candidates would also be compromised by this position despite a freedom to advocate liberal policies if they saw fit and certainly the voting public would not be pleased with such blatant duplicity.

Perhaps another position the Democratic convention might take would be to declare unqualified support of the Supreme Court's decisions and then agree on a moderate candidate who could rally the South. With the possible exceptions of Johnson and Symington, the only candidate in this position is Mr. Stevenson. Of course, further primary defeats might make this solution unworkable, but if Stevenson is still a leading contender at convention time, the South

might feel that he would be a better risk in the White House than the present occupant.

On the other hand, Southerners may feel that in view of Eisenhower's popularity the Democratic party will not be able to win in any event. If this is true, they may reason that this would be an ideal year to take a stand on principle and demonstrate Democratic dependence on Southern support. A splinter movement, they might feel, would force concessions by the Democratic leadership.

Certainly this attitude is possible. We are not in a position to say what the South is willing to settle for nor if it is willing to settle for anything short of espousal of "nullification."

That a splinter movement would involve risk is apparent. A Democratic president elected without Southern support might well cut off patronage to that area. Of course no matter what the outcome of the presidential race, the South would still have a strong bloc of votes in the Senate. This is a mighty lever which could be used on any President, no matter how personally popular. The South accepted the risks of splintering in 1948 and might do so again this year.

One other possibility for the convention might be to nominate a Southerner for president and to write a strong civil rights plank to appease the North. Naturally this would be pure politics and would fool few, but stranger things have seen the light of day. It would be presumptuous to say this could not happen.

I think we may conclude that while the GOP may well indulge in back-slapping this summer, the Democratic convention will in all likelihood be a somewhat tumultuous affair. If the party does split, it will undoubtedly give rise to two fire-breathing, give-'em-hell factions. The result on the campaign this fall would be anything but peaceful. Despite all this, it is the nature of our political system that when the election is over and the air is cleared, we return to our daily tasks with no permanent cleavages and little bitterness. This is the highest compliment that we can pay our system of government.

—Sheldon Kavesh

standing room only

"Shangri - La"

"Shangri-La" is "A New Musical Play based on James Hilton's novel, 'Lost Horizon.'" Starring Lew Ayres (in his first musical), Martyn Green (famous for his Gilbert and Sullivan roles), and Harold Lang (well-known and very skillful dancer), it will open in New York in three weeks. It may or may not succeed, since there is always a considerable amount of revising done while a show is in Boston. As it stands, "Shangri-La" is an overwhelming, sometimes beautiful attempt—but it is not yet a good musical.

It is possible that no one could express the philosophy and mood of Hilton's novel in the medium of musical comedy; certainly the authors of "Shangri-La" did not. Instead, the music, staging, and direction all conspire to amuse and impress. If they had succeeded, we would at least have an entertaining spectacle. As it is, Peter Larkin's sets, magnificent on first appearance, become cumbersome and distracting as the evening wears on; Harry Warren's music is thrilling when it terrifies or inspires, but completely inappropriate most of the time. These elements, as well as the characterizations and the humor, often get in each other's way, clashing and interrupting.

The best parts of "Shangri-La" are its bigness—colorful costumes and stunning sets—and the work of Martyn Green, Alice Ghostley (of "New Faces"), Harold Lang and Joan Holloway (as the show's principal dance team), and a newcomer, Carol Lawrence (whom Chicagoans have seen at Highland Park's "Music Theatre" for the past three seasons).

Mr. Green and Miss Ghostley have a duet in Act II that does them both justice as fine comedians; the dance numbers are excellent (but Mr. Lang can't sing very well!); Miss Lawrence is the nicest single thing in the show, as a young girl for the first time in love. Despite their efforts, the pieces just will not fit together; "Shangri-La" is a disjointed musical which is sometimes moving and sometimes lovely, but never picks you up and entertains.

—Michael Hall '57

"Concerto for One Small Voice"

Just as the painter sometimes paints a frame onto his canvas in order to acknowledge it for what it is—a painting—so Norman Ashton has surrounded his play with a theater in *Concerto for One Small Voice*. The play, a dramatic comedy, is a partially successful experiment in style. Most of the effects presented by Ashton produce the desired result on the audience. However, a few seem to confuse the audience and detract from the idea trying to be put across.

William Siebert as Theomorphos does an excellent job both in acting and adding to the stylistic effects of the play. Maya, played by Hildette Rubenstein, does a good job as the mother of Theomorphos but occasionally seems out of character when trying to put across certain effects. Robert Boyajian, who gives a realistic performance as the Stage Manager, and the Suburban Chorus, played by Hannah Paul, George Foster, Elaine Mogg, Cliff Brown, Iness Gobbi, and Joseph Kichta, are one of the more successful effects presented by Ashton.

—Lee Holloway '58

Calendar Of Events

WEDNESDAY, MAY 9

American Society of Mechanical Engineers—Student Branch. Election of Student Branch Officers. Membership card and Registration required. STEAM LAB. (NEAR ROOM 3-166), 9:00 a.m.-5:00 p.m. Varsity Golf Team. Match with Tufts University.

OAKLEY COUNTRY CLUB, 1:30 p.m. Freshman Tennis Team. Game with Milton Academy.

BURTON HOUSE COURTS, 3:00 p.m. Biology Department. Colloquium: "The Electron Microscopy of Macromolecules." Professor C. E. Hall, Biology Department. Tea in Room 16-711 at 3:30 p.m. ROOM 16-310, 4:00 p.m.

Civil and Sanitary Engineering Department. Hydromechanics Seminar: "Fluid Resistance on Rotating Disks." Mr. Ronald E. Nece, Civil and Sanitary Engineering Department. Refreshments in Room 48-208 at 3:45 p.m. ROOM 48-208, 4:00-5:00 p.m. Freshman Baseball Team. Game with Tufts University.

BRIGGS FIELD, 4:30 p.m. Mathematics Department. Colloquium: "Stability and Hamiltonian Systems." Dr. Jurgen Moser, University of Gottingen and New York University. Tea in Room 2-290 at 4:00 p.m. ROOM 2-390, 4:30 p.m. Catholic Club. Talk: "The Meaning of Love and Its Relation to Marriage." Father J. Edward Nugent. ROOM 2-190, 5:00 p.m. Hillel Society. Final lecture in the series on science, ethics, and religion: "Basic Values of Contemporary Judaism." Rabbi Joseph Stampfer, Hillel counselor at Brandeis University. Hayden Library Lounge, 5:00 p.m.

THURSDAY, MAY 10

Freshman Golf Team. Match with Milton High School. OAKLEY COUNTRY CLUB, 2:00 p.m.

Operations Research Seminar. "Formulation of the R.C.A. Business Computer to Accommodate Application Requirements." Mr. Louis S. Bensky, Radio Corporation of America, Camden, New Jersey. ROOM 2-135, 3:00 p.m.

Architecture and City Planning Department. Housing Seminar: "Urban Redevelopment." Mr. Richard Steiner, Assistant Commissioner of Urban Renewal Administration. ROOM 7-437, 4:00 p.m.

Physics Department. Colloquium: "Some Recent Views on Nuclear Structure." Dr. Charles L. Schwartz, Division of Industrial Cooperation. ROOM 6-120, 4:15 p.m.

MIT Railroader's Association. Annual Elections Meeting. ROOM 5-120, 5:15 p.m.

Lecture Series Committee. Documentary film of World War II: "Victory at Sea." Admission: 30 cents. KRESGE AUDITORIUM, 5:30, 7:30 and 9:30 p.m.

FRIDAY, MAY 11

Varsity Golf Team. New England Intercollegiate Golf Championships. OAKLEY COUNTRY CLUB, 8:00 a.m.

Mechanical Engineering Department. Seminar: "Development of Steam Turbine Generator in the Last Decade." Mr. Glenn B. Warren, Vice President, General Electric Company, Schenectady, New York. Coffee in Room 3-174 from 3:00-3:30 p.m. ROOM 3-270, 3:30 p.m.

Graduate Student Chemical Engineering Society. Colloquium: "Principles of Process Design." Mr. Walter E. Lobo, Director of Chemical Engineering Division of the M. W. Kellogg Company, New York City. Coffee in Room 12-011 at 3:30 p.m. ROOM 6-120, 4:00-5:15 p.m.

Modern Languages Department. Deadline for applications to graduate language examinations. ROOM 14-N307, 5:00 p.m.

SATURDAY, MAY 12

Varsity Golf Team. New England Intercollegiate Golf Championships. OAKLEY COUNTRY CLUB, 9:00 a.m.

Varsity Sailing Team. New England Championships. SAILING PAVILION, 12:30 p.m.

Varsity Baseball Team. Game with Wesleyan University. BRIGGS FIELD, 2:00 p.m.

MIT Rugby Club. Game with Princeton University. BRIGGS FIELD, 2:00 p.m.

Varsity Track Team. Meet with Northeastern University. BRIGGS FIELD, 2:00 p.m.

Freshman Track Team. Meet with Northeastern University. BRIGGS FIELD, 2:00 p.m.

SUNDAY, MAY 13

Varsity Golf Team. New England Intercollegiate Golf Championships. OAKLEY COUNTRY CLUB, 9:00 a.m.

Varsity Sailing Team. New England Championships. SAILING PAVILION, 9:00 a.m.

Hillel Society. Brunch, installation of officers, and presentation awards. BAKER HOUSE DINING HALL, 10:00 a.m.

Music Department. First recital on the new Holtkamp Organ. Pierre Cochereau, organist at Notre Dame Cathedral, Paris. Tickets available by mail from Room 14-N236. KRESGE AUDITORIUM, 3:00 p.m.

MONDAY, MAY 14

Civil and Sanitary Engineering Department. Sanitary Engineering Seminar: "Laboratory Experiments for Hydraulic Studies of Sedimentation Tanks and Rapid Sand Filters." Mr. A. C. Oberton, Civil and Sanitary Engineering Department; and "The Removal of Radioactive Strontium by Selective Chelation." Mr. G. W. Walsh, Civil and Sanitary Engineering Department. ROOM 1-211, 11:00 a.m.

TUESDAY, MAY 15

Food Technology Department. Food Industry Seminar: "Food Packaging Development." Mr. William Geisler, Vice President, Cart & Cochrane Corporation, Englewood, New Jersey. ROOM 16-310, 2:00-4:00 p.m.

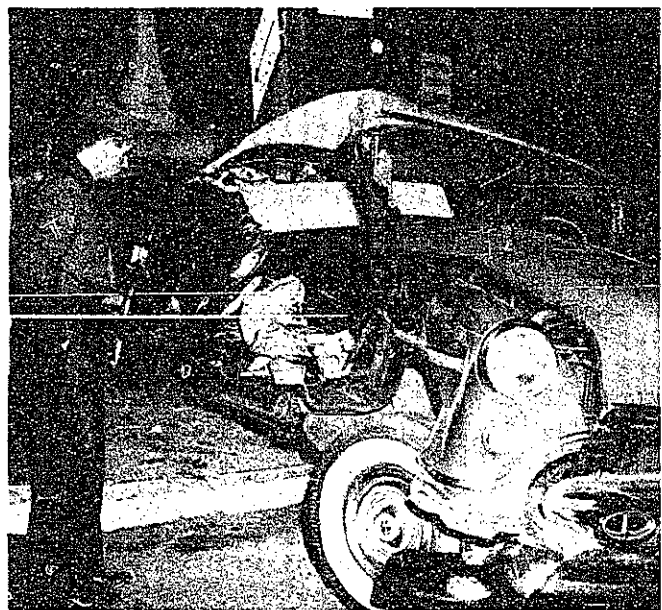
Varsity Baseball Team. Game with Tufts University. BRIGGS FIELD, 4:00 p.m.

Varsity Lacrosse Team. Game with Tufts University.

CALENDAR OF EVENTS

The Calendar of Events is distributed to the staff through the Institute's mails each Wednesday, with announcements for the following eight days. Notices should be in the editor's office, Room 7-204, later than noon on Thursday prior to the date of publication. Material for the Calendar of May 16-23 is due May 10.

EDITORIAL



Friday night. The beginning of another college weekend. A break from studies—a party, a dance, or a movie.

Two Boston College freshmen and their dates were driving home at three o'clock on the morning of May 5. It had been a big night for them; after attending an affair at the Hotel Bradford, they had driven twenty-five miles to a Lowell restaurant for a late meal. But as they neared home, a large trailer-truck, coming off a bridge, plowed into the side of their car and sent it spinning into a concrete pole. The driver and his date escaped with minor injuries; the couple in the back seat were killed.

The accident took place at the corner of Massachusetts Avenue and Memorial Drive, on the doorstep of MIT. It could have been closer.

—S. M. S.

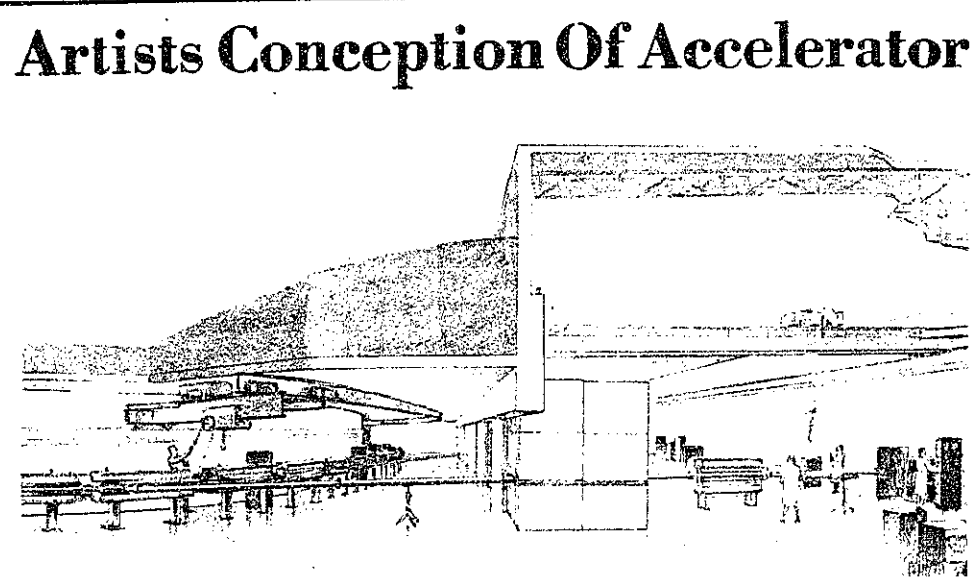
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This artist's sketch of the Cambridge Electron Accelerator, which will be built jointly by MIT and Harvard, on the Harvard campus, shows a cross-section of the underground building which will house the synchrotron and its adjacent laboratory. The accelerator at the left consists of a total of 48 magnets grouped around the circular path in which electrons will be accelerated. The beam of high-speed electrons passing through the shielding blocks in the center of the drawing will enter special laboratory equipment in the large room at the right.

The new Arrow FREE-WAY puts "action" in a shirt ...

Here's a knitted shirt just made for active sports (and lounging around, as well). The feather-light fabric is bias-cut for perfect freedom in any position. The back, cut longer than the front, lets the collar fit your neck just right. In 20 colors. Wear it correctly—with the Arrow Bermuda shorts (6 different colors)—and you've made the perfect choice for summer FREE-WAY, \$3.95. Shorts, \$3.95 up.

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Positions Announced

Alan M. May '57, a junior in Course XV-B will head Voo Doo, MIT college humor monthly, it was recently announced. William B. Alexander '57 as managing editor, Harry M. Salesky '57 as editor and Ralph Brown '57, business manager, are the other members of the senior board.

Vic Teplitz, Al Esbitt, Phil Pearle, Al Hoch, Cole Bess, Larry Kaiden, Norm Lerner, Jim Zwickel, Rudy Segovia, Rich Gottlieb and Mel Cohen make up the Junior Board.

notices

SONG RECITAL
Paul Matthen, baritone, will give a song recital in the Little Theater of Kresge Auditorium at 8:30 p.m. tonight. Mr. Matthen has most recently been singing leading roles with the Staatsoper in Stuttgart, Germany.

Tonight's program will consist of the Schubert song-cycle, "Die Schöne Müllerin." Professor Gregory Tucker will be the accompanist.

The concert is open to the public without charge.

VARSITY CROQUET
There will be a meeting of all Varsity Croquetmen in team room B Tuesday at 4:35. Co-Captains Joe Hamlet and Paul Polishuk wish to discuss change in schedule. Vassar has been substituted for Wellesley on May 17. Tea and crumpets will be served.

PUBLIC RELATIONS COMMITTEE
Due to a conflict of events the scheduled meeting of the Public Relations Committee in Room 5-108 on Thursday, May 10, has been canceled.

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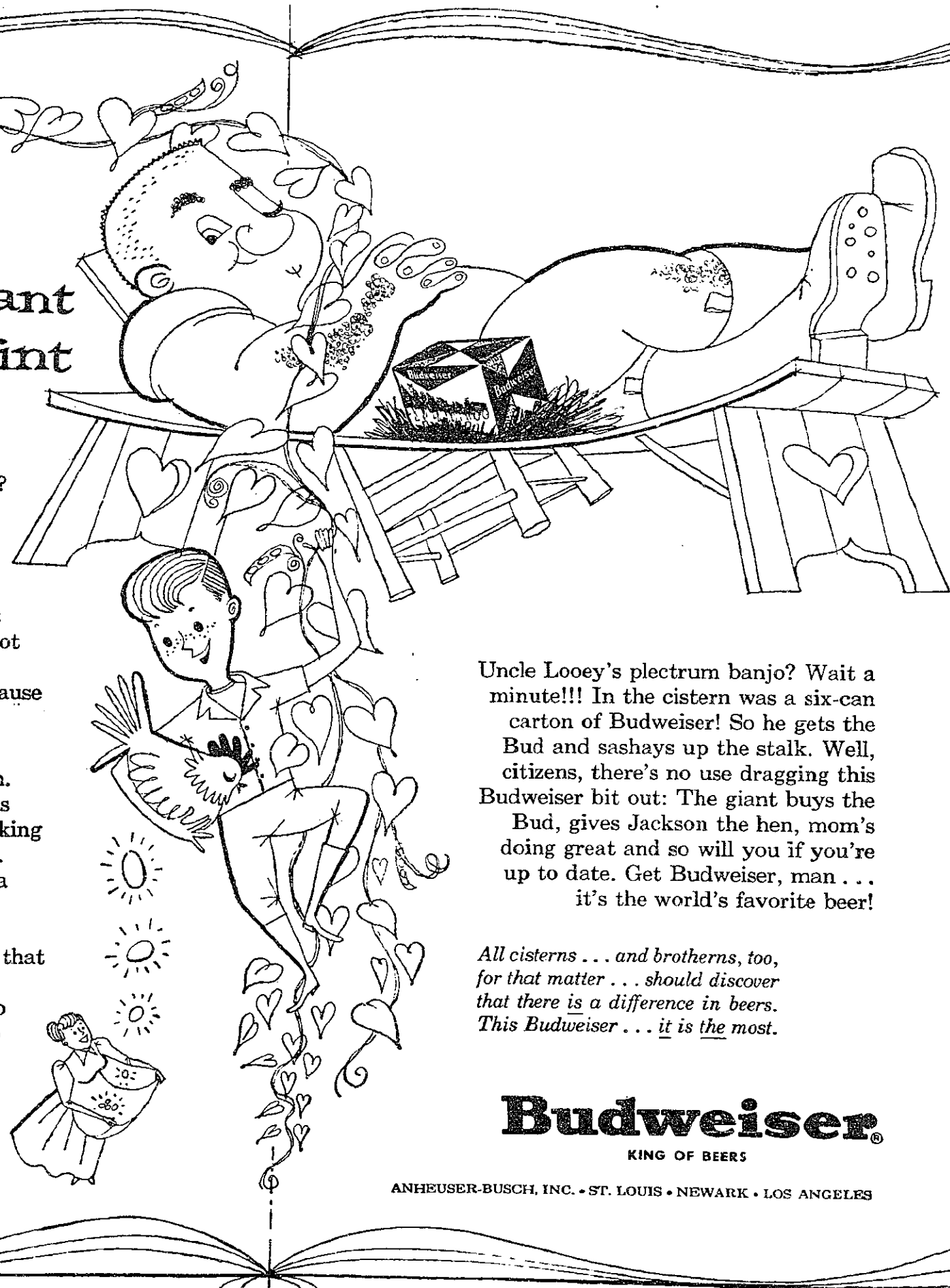
OPEN SUNDAYS

**Jack
stalks giant
in his joint**

OR
WITH THESE EGGS,
WHO NEEDS BACON?

There once lived a crazy, mixed-up old giant. He lived at the top of a beanstalk and he got his kicks out of a little red hen. Of course, that wasn't bad, because that chicken laid golden eggs.

Now down at the bottom of the stalk lived our boy, Jackson. Our boy was low on loot and his mother . . . man, she wasn't making it at all. The feedbag was M. T. So Jackson started thinking of a way to get loot fast: "How," said he to himself, "could I get that frantic chicken away from that character upstairs?" He looked around the hut for something to trade—How about an old piano roll? Mom's bifocals?



Uncle Looley's plectrum banjo? Wait a minute!!! In the cistern was a six-can carton of Budweiser! So he gets the Bud and sashays up the stalk. Well, citizens, there's no use dragging this Budweiser bit out: The giant buys the Bud, gives Jackson the hen, mom's doing great and so will you if you're up to date. Get Budweiser, man . . . it's the world's favorite beer!

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Frosh Baseball Team Wins 1st In 3 Years; Lacrossemen Lose

The MIT Freshman baseball team snapped a four game losing streak as it downed Newton Jr. College, 11-5, at Briggs Field Saturday for the first Freshman victory in three years.

Overcoming a 1-0 deficit in the bottom of the first inning, the Frosh nine was never headed. Larry Jones, Warren Goodnow, Dick Campbell, and Ernie Matton led the way as the Beaver battlers had a field day against the hapless Newton pitchers. The Yearling hitting, coupled with walks and Newton's errors during the early innings gave the team a comfortable lead which it held throughout the contest.

The Newton nine used a walk and pair of hits to score first, in their half of the first inning. The opponents managed nothing more until the fourth when they combined walks, two costly Tech errors and a Texas Leaguer to drive four men across the plate. The two hits in the first, and one in the fourth inning were the only two chalked against the Tech pitchers, Al Beard and Jerry Welch.

The Freshman lacrosse team didn't fare so well as it was handed a 17-8 defeat at the hands of Governor Dunmer Academy on the victors' field. The powerful Dunmer squad went to an early lead, outscoring the MIT Frosh, 11-4 in the first half of the game. Jon Weisbuck led the Cardinal and Grey yearling attack with three goals, followed by Chuck Holabird with two, and Charlie Cushing, Chuck Fitzgerald and Frank O'Donnell, each contributing one goal apiece. The eight goals were more than had been scored against Dunmer all season.

MANAGER

Any person interested in being the intramural bowling or table tennis manager next Fall should place a note in the intramural Vice-President's box, Tyler Lounge in Walker Memorial before Thursday, May 10.

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One of the young men playing a role in this new and important field is 30-year-old Dr. Roland P. Carreker, Jr.

Carreker's Work Interesting, Vital

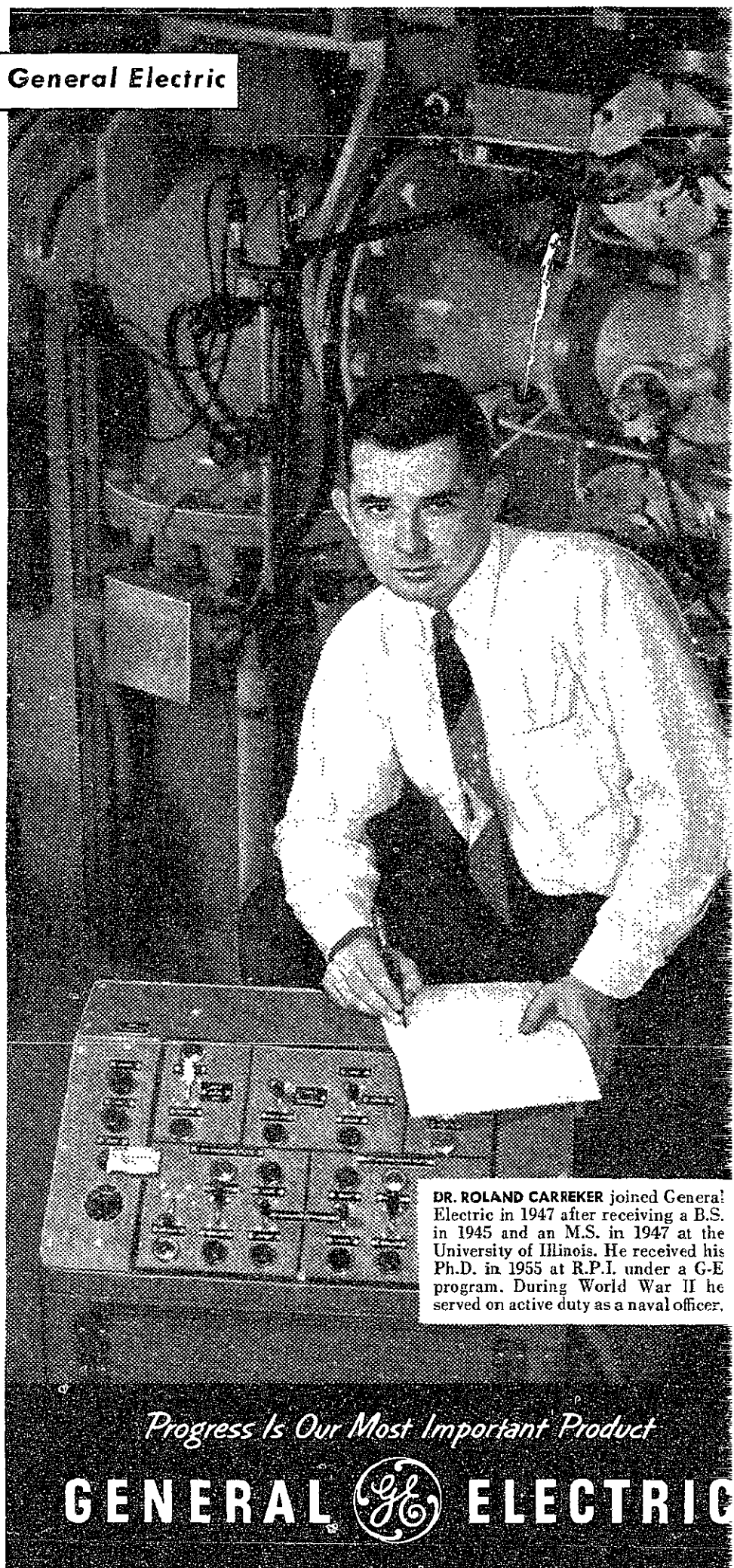
As a research associate in the General Electric Research Laboratory's Metals and Ceramics facility, Carreker's chief concern is the improvement of metals through new processing techniques.

In his work, Dr. Carreker has dealt with such important metallurgical problems as metal failure in high-speed turbine rotors, determining the strength of pure metals from -425°F, the temperature of liquid hydrogen, to 2,800°F and economic studies of new metallurgical processes.

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Educational Relations, General Electric Company, Schenectady 5, N. Y.



DR. ROLAND CARREKER joined General Electric in 1947 after receiving a B.S. in 1945 and an M.S. in 1947 at the University of Illinois. He received his Ph.D. in 1955 at R.P.I. under a G-E program. During World War II he served on active duty as a naval officer.

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Amherst Tops Lacrosse Team 7-5 Poor 1st Half Hampers Techmen

Tech's varsity lacrosse team bowed Amherst 7-5 on Briggs Field last Saturday for their second straight win. The Engineers rallied for all their goals in the second half but were unable to overcome the lead built up by the Lord Jeffs with their better stick handling and ball control. Tech's play showed definite improvement over Wednesday's loss to Harvard, but once again the absence of injured Co-Captain Leaky Dyke hurt the attack immensely. Play in the first period varied back and forth, with both teams unable to score. Several times Amherst worked men clear in front of the cage but couldn't get a pass in to him. Tech's Benenson came closest to scoring as a hard shot hit the post and his rebound bounced off the goalie's shoe. Amherst picked up three in the sec-

ond period—the first on a short shot by Russ Knowles at 3:09, the second a minute later on a rebound shot by Buddy Dorr, and the third at 8:46 when Tech goalie Mike Damone had a pass intercepted and a shot put in by Knowles before he could get back into the unprotected cage.

Ace sharpshooter Walt Frey put in the first goal for the Martinmen at 0:26 of the third period as he went through two men and hit the corner just out of reach of Harry Gotoff, playing a fine game in the Purple's nets. Amherst got it right back again as Dorr put in a pretty back-hander from the left. Frey once again cut the margin to two as he walked in on the right and hit on a quick flip shot. Amherst pulled it up to 5-2 at 8:41 on a long bounce shot by Bob Flemma.

Tech Rallies Late

Jim Benenson hit at 4:17 of the last quarter as Tech began to dominate play. A minute's lapse midway in the quarter cost MIT two goals and possibly the game as the Lord Jeffs had Al McCullan and Flemma hit at 8:27 and 9:31 respectively. From here in the Engineers held the ball in Amherst territory, but were able to pick up only two goals. Walt Frey got his third of the game, hitting unassisted from the right at 9:53.

(Continued on page 6)

Frosh Lights, JV Heavies Win

Varsity Crews 2nd To Cornell, Syracuse

For the second straight week, Tech's varsity heavyweight and 150-lb. crews rowed to second places, this time behind Syracuse and Cornell respectively. For the big Orange from Syracuse Saturday was a very suc-

cessful day as their freshmen rowed to the first school win in 63 races and their varsity were successful on the Charles for the first time in five years.

Tech's heavies, highly favored in the race, finished a length and a half behind when one of their oarsmen suffered a cramp in the last ¼ mile and was unable to add to the sprint. BU was third, two lengths behind, with Dartmouth and Columbia trail-

ing further back. Dartmouth led for the first mile until just past the Harvard Bridge when Syracuse poured on the steam to take a half length lead over Tech and the Indians. They opened it to a length at Smith House and stroked in at 38 to win in 10:32.4, good time considering the strong wind and downstream current.

MIT's JV boat prevented a sweep by taking the long delayed second race by a length. For the JVs who led all the way, the victory represented the first win for many of the oarsmen in their rowing careers. Tech's time of 10:47.6 was over four seconds better than second place Columbia, whose loss of a fin before the race had necessitated a half hour delay in the start of the race.

Rowing on Harlem River in New York, under similarly rough conditions, the varsity lightweights were edged by a deck length by Cornell in the Geiger Cup race over the Henley distance. Tech turned in the time of 6:58.1, a second behind Cornell, for their best time of the year.

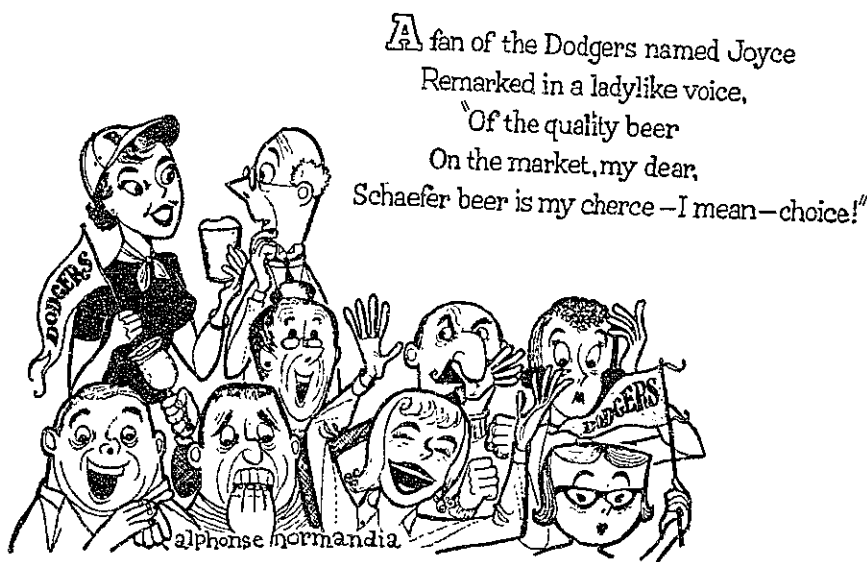
Frosh Lights Win Second In Row

For the second straight week the frosh lights rowed to an impressive win as they whipped the Columbia yearlings by three and a half lengths to establish themselves as a definite contender in the sprints this weekend. The JVs were not so lucky, as they lost by 17 seconds to a Cornell

(Continued on page 6)

On Deck

Wednesday	P.M.
Varsity Baseball at Tufts	4:00
Freshman Baseball—Tufts	4:30
Freshman Tennis—Milton	3:00
Varsity Golf—Tufts	1:30
Freshman Lacrosse at Tufts	4:00
Thursday	
Freshman Golf—Milton H.S.	2:00



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BeaverDiamondmen Drop Two Decisions When Pitching Fails

A sudden breakdown of their previously strong pitching staff cost the MIT baseball team two games last week-end when they dropped decisions to Boston University and Bowdoin. The defeat dropped their GBL record to 3-3 and their overall season's record to 7-4.

Dick Skavdahl '56, who had turned in several outstanding performances earlier in the season, started the BU encounter on Thursday, but was shelled for four runs in the early innings. The Beaver nine tied the score at 4-4 but BU surged ahead once again 6-4. Tech bounced back to tie at 6-6 but BU scored a single run to lead 7-6. After BU brought in their top pitcher in an attempt to stop an eighth inning rally, Skavdahl singled home the tying run. In the home half of the eighth a two run homer, third of the game for the winners, provided the winning runs and closed the scoring, with the final tally 9-7.

Thesis troubles cut the squad to fifteen men on Saturday when they ventured to Bowdoin for a non-league encounter. Ed Newhall '56 moved in from his spot in the outfield and started on the mound, but encountered difficulties and was shelled for nine runs in the first. Following him to hill were Francis Henrick '58, Ken Auer '58, and Ray Byrne '57. None met with much better success and the final score was 23-8. Larry Hallee '56 was the bright spot in the Tech offense as he connected for two hits in three times up and drove in all three runs.

TRACK

(Continued from page 5)

prove, he may make it to the 1956 Olympics. John was also first in the shot put with a heave of 49'. Fred Morefield '57 outdistanced the competing field with a 162', 2 1/2" javelin throw.

The outdoor track season is rapidly drawing to a close with a dual meet with Northeastern on the 12th, the NEICAAAs' on May 18 and 19, and the IC4A's on May 26. The Northeastern meet next week should be a very close one and either team could win.

LACROSSE

(Continued from page 5)

were unable to get off a good shot.

Tech's collegiate record is now 4-2, while Amherst continues undefeated. MIT travels to New York on Saturday to face Stevens, and closes its schedule a week from today against Tufts on Briggs Field.

Score by periods:
Amherst 0 3 2 2 7
MIT 0 0 2 3 5
Goals—Amherst: Knowles 2, Dorr 2, Flemma 2, McCullan.
MIT: Frey, Benenson, Gerakaris.

CREW

(Continued from page 5)

When Marinos Gerakaris hit at 11:08 on a high shot from right in front of the goal, Tech seemed on its way, but though they held control of the ball the remainder of the period they boat that had several of last year's Big Red varsity men in it.

This week-end all boats take to the road for the all important Eastern sprints, at Washington for the heavies, and at Princeton for the lights. A win at Princeton could go a long way to sending the team back to Henley for the third straight year.

Boatings of the MIT crews:

Heavyweight:
Varsity—Bow, Rielsik; 2, Graham; 3, Cleaver; 4, Polishuk; 5, Borchert; 6, Latham; 7, Weichmann; stroke, Peterson, cox, Levine.
JV—Bow, Lazarchik; 2, Erickson; 3, Springall; 4, Kazokas; 5, Bowman; 6, Bridgman; 7, Brace; stroke, Bliden; cox, Rothchild.

Fresh—Bow, Thomas; 2, Kniazeh; 3, Freynik; 4, Haymaker; 5, Spooner; 6, Siltanen; 7, Bulchak; stroke, Stuart; cox, Graff.

Lightweights:
Varsity—Bow, Meyers; 2, Carney; 3, Hellsten; 4, Glaser; 5, Kimball; 6, Sawyer; 7, Fleming; stroke, Rodgers; cox, Phillippe.
JV—Bow, Jones; 2, Holt; 3, Silver; 4, Inserra; 5, Root; 6, Guyre; 7, Farrow; stroke, Cooke; cox, Lukens.

Fresh—Bow, Largo; 2, Platt; 3, Fleisher; 4, Simpson; 5, Humphrey; 6, Zachor; 7, Schlotthauer; bow, Moran; cox, Olshaker.

EAST CAMPUS DANCE

East Campus is sponsoring The Festa Del Vino, an informal dance, May 12 from 8 to 12 p.m. in Morris Hall. Tickets for this dance are \$1.50 and they will be on sale next week in Bldg. 10.

LETTER TO GRADUATING SCIENTISTS and ENGINEERS

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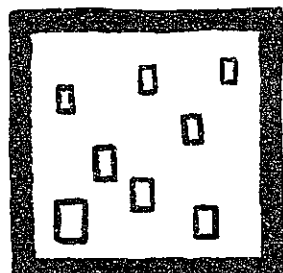
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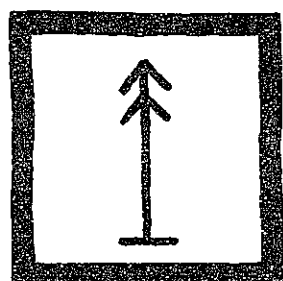
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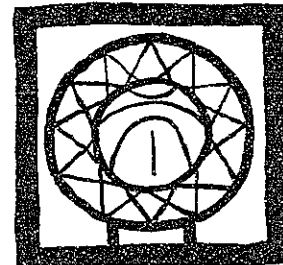
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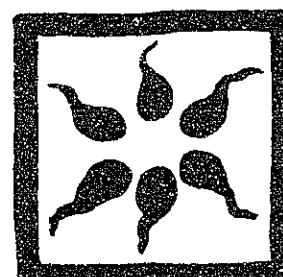
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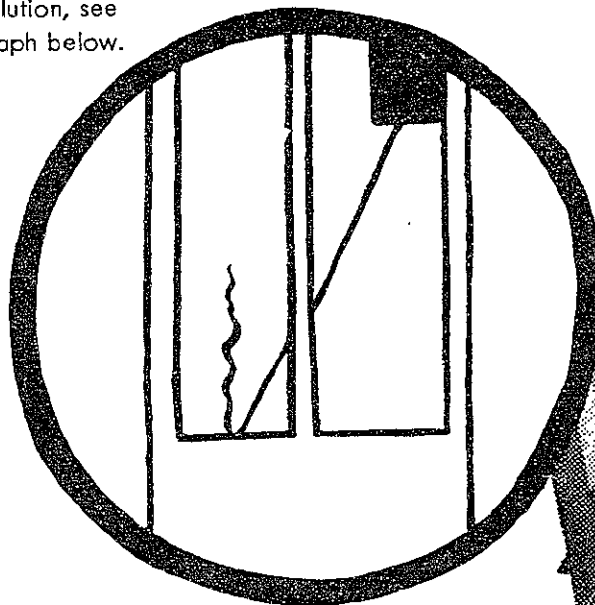
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