

Subject recommendations

Faculty considers formal CCCP motions today

By Bill Judnick

The final report of the faculty Committee on Curriculum Content Planning, mailed out late last week to faculty members and to be discussed at today's faculty meeting, contains:—

1) The CCCP "dialogue"; 2) Recommend motions; 3) Recommendations and reports on specific subjects (subdivided: elective laboratories, science area electives, humanities and social science, chemistry, mathematics, and physics); and 4) Appendix on elective laboratories.

Formal motions

The first three motions in the report modify the Regulations of the Faculty, Section 14, paragraphs 2-4, in making a distinction between those students matriculating before July 1, 1965, and those admitted at a later date.

The fourth motion describes in detail the General Institute Requirements for the latter group:—

"For the degree of Bachelor of Science . . . the successful completion of the following: 5.01 (6-6), 8.01 (5-7), 8.02 (5-7), 18.01 (4-8), 18.02 (4-8), 21.01 (3-6), 21.02 (3-6), 21.03 (3-6), or 21.04 (3-6), 21.05 (3-6) or 21.06 (3.6) or 14.003 (3-6), three Science Area Electives, one Elective Laboratory, the first- and second-year elective requirement (including 6 units of Engineering Elective for students not taking R.O.T.C.), the upperclass Humanities and Social Science requirements, the Physical Education requirement as voted by the Faculty, and a total of at least 360 units, excluding advanced Army R.O.T.C."

For the degree of Bachelor of Architecture, the motion was substantially the same, save that a 450 units total would be required.

Department designation

Motion four continued: "subjects taken in the first and second years, in addition to the General Institute Requirements and up to a maximum of 24 units, will be accepted in each Course as a part of the stated unit requirements for graduation in that Course. In any Course leading to the degree . . . with specification, the Department responsible for the Course may designate two subjects from among the Science Area Electives and Laboratory Elective required above.

"All programs for a degree . . . with specification shall include at least 28 units of free elective time in addition to subjects used to satisfy the General Institute Requirements for Science Area Elective and Elective Laboratory."

Units specified

"Each of the subjects required as General Institute Requirements in the first and second years shall be a 12-unit subject except for subjects in Humanities and Social Sciences, which shall be 9 units, and certain first- and second-year electives which may be 6 units."

The fifth and final motion deals with the establishment of degrees without specification. It reads:

"Within the limitations of the General Institute Requirements the Faculty delegates to each Department the authority to approve departures by individual students from approved course curricula, and further delegates to each Department authority to establish special curricula for the degree of Bachelor of Science without specification.

"The Faculty further delegates to the Deans of each School the authority to establish interdepartmental committees empowered to establish course curricula for the degree of Bachelor of Science without specification."

Jack Wood honored; Started sailing here

Walter C. "Jack" Wood '17, sailing master at MIT for 30 years, was honored Monday evening at a Faculty Club dinner given by the Athletic Department to mark his retirement this year.

Over 100 guests—including representatives of the faculty, students, alumni, and the Nautical Association—were present.

Edward Crocker, Director of Physical Education, presented Mr. Wood with a painted portrait. The man who organized sailing at MIT also received an award from Mrs. Carl Taylor Compton, whose husband was President of MIT when the new sailing program began.

Sloan gives \$15 million

By George Russell

The creation of a \$15,000,000 fund at MIT for basic research in the physical sciences was announced Monday by Alfred P. Sloan, Jr. '95 and the Institute.

The fund has been established by a personal gift of \$5,000,000 by Mr. Sloan. It is to be consolidated with a supporting gift of \$5,000,000 by the Alfred P. Sloan Foundation and an earlier \$5,000,000 grant of the Foundation to MIT, also dedicated to basic research. The fund will be known as "The Alfred P. Sloan Fund for Basic Research in the Physical Sciences."

Mr. Sloan recognized that large resources were being made available within industry and by government to support applied research, but that too little is available for basic research. He holds that this imbalance between basic and applied research is weakening and endangering the validity of the latter.

Mr. Sloan defines basic research as "the quest for knowledge for knowledge's sake" as distin-

guished from applied research, which is usually directed to the solution of a specific problem.

The objective of the Fund is to help correct the disparity presently existing. The Fund is to be absolutely free and expandable, both as to principle and income.

This is not Mr. Sloan's first venture in the area of basic research. In 1954 he initiated a pioneer program in which promising young scientists were to be given financial assistance in order to capitalize their talents in the area of basic research. Since then, \$9,300,000 has been committed to grants to 181 universities for use by 383 scientists known as Alfred P. Sloan Research Fellows.

Mr. Sloan received a Bachelor of Science degree in Course VI. He served General Motors Corporation as its chief executive officer for approximately 25 years, both as President and as Chairman of its board.

"I have been particularly impressed with the need for more basic research in physical sciences," Mr. Sloan said.

"It has been my conviction that if the country is to keep ahead in the competitive race for survival there must be not only greatly increased funds for basic research made available, but also competent and imaginative management of such funds. Both are highly consequential. The need for an expanded search for new knowledge, furthermore, is right before us. It is my hope that this Fund will stimulate other private sources to make support available for this purpose, at MIT and elsewhere."

The Fund will be managed by three administrators to be selected by the Executive Committee of the MIT Corporation. The administrators presently designated are Dr. James R. Killian, Jr., Chairman of the Corporation; Dr. Julius A. Stratton, President, and Dr. Charles H. Townes, Provost.

Drafts against the Fund must be agreed upon unanimously by the three administrators, as qualify-

(Please turn to page 5)

Psychological research

Teuber directs program

By Allan Green and Jason Fane
When the Psychology Department was formed, President Stratton said that creating Course IX was MIT's way of recognizing psychology as an active and independent scientific discipline.

Heading the new department is Dr. Hans-Lucas Teuber, a slim man with active bushy eyebrows. Dr. Teuber has had experience in all areas of psychology, and if he has any favorites, he's keeping them a secret. In fact, the department follows a carefully planned three-pronged attack on the field.

Study is divided into physiological psychology (relationships between brain and behavior), general experimental psychology (perception and learning), and developmental and social psychology (individual behavior, and interactions among individuals in groups).

Brain studies

To study the human brain, Dr. Teuber, along with Drs. Rudel, Twitchell, Vaughan, and others, have been working with veterans who have lost brain tissue due to gunshot wounds. As an example, one patient simply cannot see anything in the very center of his field of vision because of brain damage.

So, when this man looks at you, he shouldn't really see you. But he does, because he has learned unwittingly to look slightly below what he wants to see in order to bring it into his field of vision.

What makes the situation unusual is that the man never sees a gap in his vision. As far as he's

concerned, he has a full, normal view.

Cases like this have lead workers to assume (contrary to earlier belief) that complex vision cannot possibly be based on simple one-to-one mapping of signals from the eye to the brain cortex—because the cortex is destroyed and there is still central vision.

In addition to work on brain-injured men and children, other members of the department are studying the behavior of animals. Dr. Joseph Altman is studying the rate of uptake of radioactive isotopes by the brain, while Drs. Helen Mahut and Charles Gross have been working independently with electrical stimulation of the brain. Dr. Gross is continuing his work by recording brain waves electrically and having his data analyzed by computer.

In yet another study, Dr. Stephan Chorover is working with other aspects of the chemistry of behavior and is conducting a search for the molecular bases of simple forms of learning and memory.

Prismatic Glasses

In another lab, Drs. Richard Held and Alan Hein are studying reaction to changes in sensory input. Recently a visitor was asked to look through a pair of glasses with two wedge prisms as lenses. He saw a rainbow around every object in the room. Since the glasses shift the image to one side by a given angle, the wearer will generally miss items that he reaches for by that same angle.

After about an hour, the average person learns to react correctly to the effect of the prisms; so much so, in fact, that when he takes them off, it takes several minutes to reaccommodate himself to the normal world.

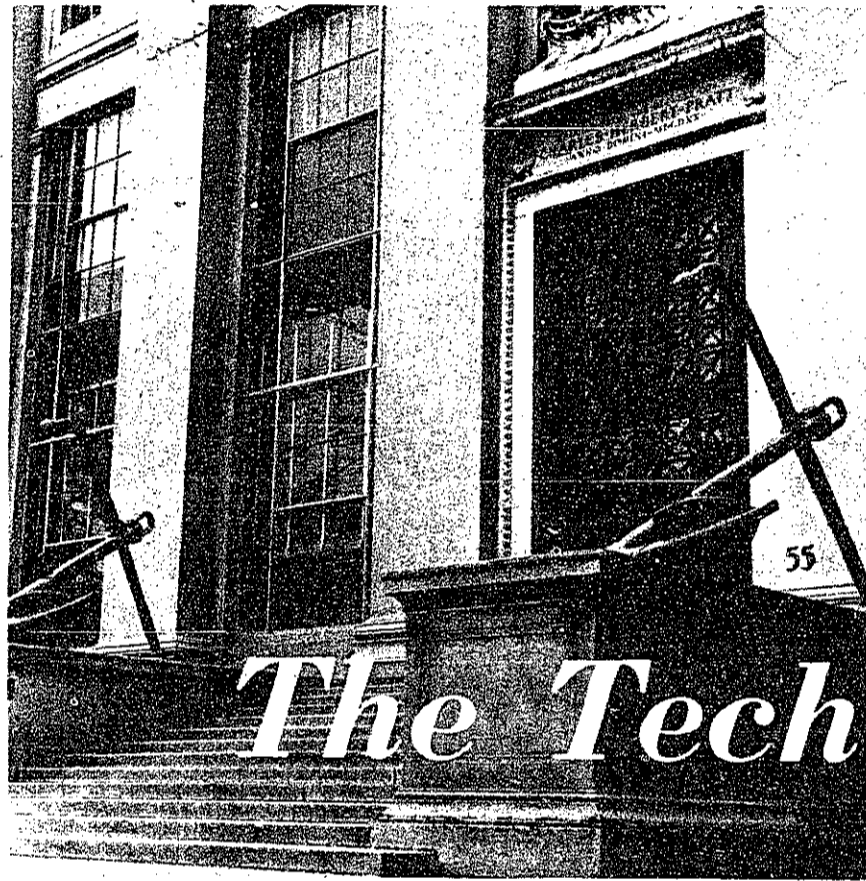
These "rearrangement" experiments help to understand conditions suffered by astronauts in space. This work would predict a decay in the sensorimotor coordination of an astronaut in zero gravity.

Also in this area of psychology, Dr. Wayne Wickelgren is experimenting with the digit span of remembering. He has found that MIT students can remember 10-25% more digits for immediate recall than average subjects.

Short term effects on perception are being studied now by Dr. Peter Schiller. In studying certain aspects of recent memory, Dr. Schiller finds that if a pattern is momentarily flashed into one eye, followed by another soon after, recall of the first pattern can be made impossible.

The department maintains colonies of goldfish, rats, cats, tree

(Please turn to page 6)



Vol. 84, No. 14 Cambridge, Mass., Wednesday, May 20, 1964 5c

ASA meeting

Library plans discussed

The reserve reading room on the top floor of the Student Center will contain 13,000 reserve books and about 500 seats according to Dick Schmalensee '65, Student Center Committee Chairman.

Speaking before approximately 30 activity heads and representatives at the Spring Conference of the Association of Student Activities at Endicott House Saturday afternoon, Schmalensee confirmed previously announced plans to maintain duplicate copies of all reserve books in the present reserve reading room.

The plans also call for individual typing rooms, which may also be equipped for music listening assignments, and a few conference rooms designed for group or committee assignments. Schmalensee also stated that the committee hopes that the reading room will be open on a 24 hour basis. He said that students would be able to use some of the area between the walls of the reading room and the parapet as a patio in good weather.

The Student Center Committee has completed the revision of the space allotments on the activity floor of the Center. The revision was based upon replies to preliminary plans related to activity heads last November. Plans were not ready for release at the Spring Conference, however the Committee hopes to have the plans ready in the next two weeks.

According to Schmalensee, the bank previously planned for the Student Center will be an extension of the Bursar's Office. This change in plans was necessitated by commercial bank requirements that did not fit into the philosophy of the Student Center. Administrative problems concerning operation of the Bursar's Office such as hours of operation of services offered have not been settled yet.

The committee announced that a Student Center newsletter for activities would begin soon. It was hoped that two issues would be out before September and every two weeks thereafter.

Two Techmen arrested by Cambridge police during Harvard Square riot last Wednesday

Two MIT students were arrested by Cambridge police last Wednesday night for activities connected with the riot that occurred that same evening near Harvard Square.

These Techmen reportedly destroyed a fence and hedge of a 79-year-old woman property owner in the area. When she appeared to upbraid them, they shouted an obscenity at her which resulted in a fainting spell.

The riot, ostensibly to "Save the Sycamores" imperiled by the MDC's decision for a Memorial Drive underpass, actually began across the river when Chandler women were demonstrating to obtain elevator privileges at their school.

The chanting coeds hiked across the Harvard Bridge, attracting students from nearby universities.

When the mob reached Harvard Square, their number promptly doubled as idle Harvard students came out to enjoy the air. The mass was heard to chant "We want the dogs!" in an obvious reference to the K-9 Corps used to break up a riot there six days previous.

Minutes later, that wish was answered by the appearance of an MDC force replet with dogs and fire hoses. The students, urged on by Harvard's Dean Monro, finally dispersed; traffic flowed once again through Harvard Square.

THE TECH

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Appointment

The Board of Directors of The Tech has accepted with regret the resignation of Stephen Teicher '66 as Photography Editor and is pleased to announce the appointment of John Torode '66, of Senior House and Medina, Washington, to fill this position.

Letters to The Tech

Footnote 55

To the Editor:
Mr. Judnick has a nice way of "predicting" long-past events. Please read Crystal Ball No. 55. Then pull out your copy of the President's Report, 1963, and turn to page 301, where in the paragraph headed "Curriculum" you will read:
"The faculty of the Department has approved changes in the undergraduate curriculum to be made effective in September, 1963. In the regular chemistry curriculum . . . the minimum registration for a senior thesis will be lowered to 12 units (from 30)."
It is disappointing to see that your newspaper does not make at least an elementary attempt to see that their (sic) material is somewhere approaching accurate.
Harry V. Ellis III, '65

Editor's note: Sharp-eyed reader Ellis cannot now contest the accuracy of Mr. Judnick's prediction. Mr. Ellis should note that current Course V seniors do have 30-hour thesis requirements, and the 1963-64 Catalogue lists 30 units as a minimum. If, as his quote suggests, the changes were effective last September, they have thus far affected no one's thesis.

The Footnote concerns a possible change in the 1964-65 Catalogue. Readers are advised to check this Catalogue in August before judging the accuracy of the prediction. They should realize that the Catalogue's contents are by no means fixed at the present time — changes could occur until August.

Science and Congress

To the Editor:
In last week's editorial, "Science pork barrel," you raised several points of interest in regard to Congressional support of basic scientific research. An even more basic item of concern is this: To what extent should Congress be involved in research at the university level?
There doesn't seem to be too much doubt that public support

of science is necessary. The universities have a corner on much of the nation's technical brainpower, and this pool of talent must be utilized in the nation's interest—i.e., in defense programs and other programs of national necessity. Therefore the nation has to call on the universities for public service through research, and, of course, must reimburse them for this research to prevent a wasting away of the universities' function of education. This is the whole rationale of government-sponsored research.

Unfortunately, the entrance of Congress onto the scene complicates the whole issue. Congressmen look for ways to benefit their districts through getting more Federal funds, as a general rule. Thus, when research funds come up for grabs, a tooth and nail fight for the home districts usually results. As an example, take the recent squabble over the NASA electronics research center, preceded by the fight over the manned spacecraft center, and followed by the attempt of the New York Congressional delegation to move the Air Force Electronics Systems Division from Massachusetts — apparently to spite Boston for getting the NASA center.

Congressional battling over the allocation of funds for research will lead to a wasteful duplication of installations and a worsening of the nation's research situation. The Midwest Universities Research Association, for example, recently proposed building a \$170 million, 12.5 Bev super-current accelerator which would have duplicated the installations at the Argonne National Laboratory. Reason for the proposal—to give the Midwest a "better share" of the nation's research spending. The Congressional delegations from the area battled hard for the project.

Congress must learn to leave the allocation of research programs to experts who know what they are doing. Since human nature is very fallible, some sort of controls must be built into the system to persuade Congress to keep "hands off." Perhaps watchdog committees of eminent and

neutral scientists should monitor all research proposals and strike out those which don't have merit. Such committees have been proposed in the past, but have not been instituted for all Federal agencies.

Scott Tay'or, G

Gratitude expressed

To the Editor:
With gratitude and humility I accepted the Karl Taylor Compton Award in behalf of the Summer Study Program at MIT for High School Students. During the past two years the concept, "a chance to teach, a chance to learn" has been realized far more than ever thought possible. From a "faculty" of 5 and student body of 50 in 1957, the program has grown to some 30 teachers and 900 students in 1963. Every student living in the MIT area during the summer is eligible to organize and teach a class of high school students in psychology, physics, chemistry, computer programming, etc.

In accepting the Award I feel it necessary to pay tribute to those who have helped the program reach the level of acceptance and appreciation it now enjoys. While it is impossible to name everyone, it should be noted that each member of the MIT community—in the student body, faculty, or administration—who has been involved in this program since its inception is deserving of credit for our success. Special recognition should be given to Dean Holden, Professors Austin and Greeley, Connie Houghton of TCA, and Beth Bogie of Public Relations, for their time, advice, and encouragement.

I wish to thank the Faculty Committee on Student Environment for presenting the Compton Award to the Summer Study Program; it is a great honor for us to receive this recognition. But the program is still young. Continued support is needed from the student body in order to maintain its scope. Graduate or undergraduate students who would like to participate this summer may contact TCA.

Elliott Bird '63

CCCP report

The recent suggestions of the Committee on Curriculum Content Planning for revising the education of MIT undergraduates represent over two years' intensive study by the group. The proposed changes were presented to the faculty last Friday, and they will be discussed in greater detail at today's meeting of the faculty.

Through feedback sessions with the departments, the CCCP has winnowed out the more questionable recommendations of its May 16, 1963, interim report. The remaining recommendations are, in the main, reasonable and worthy of support.

The three main proposals of the committee—more curriculum planning, earlier branching within the science core, and educating those who don't want a professional course — should be implemented. The explosion of scientific knowledge requires a constant planning and change of curricula. As highly qualified students who have mastered more of this knowledge enter MIT, they should be allowed more freedom in choosing their courses of study. They should also find it possible to take subjects not leading to a professional degree — especially if they plan to receive a professional degree in graduate school.

The faculty will vote on the proposals of the CCCP this fall. We hope that they will examine them carefully and finally approve them.

Footnotes

By Bill Judnick

Since this is the last column this semester, I'll finish off those predictions concerning the catalogue changes for the next academic year:

The Crystal Ball

65. Both mechanical engineering programs will offer Course II students a new choice between 2.30 and 2.30I to fulfill their degree requirements.

66. Both 4.31 and 4.32, departmental requirements for those in architecture, will modify the hours from 2-6-0 to 2-2-4.

67. Those in Course V and VII will probably have an extra hour tacked on to the lab part of 5.412, now 1-4-0.

68. The Department of Geology and Geophysics will offer a new second-term elective subject in cosmochemistry.

69. Two new elective offerings Course XIV: postwar US defense policies (first term), and current US defense problems (second term).

70. An advanced Russian course, beyond the present 23.91 through 23.94, will be offered to the undergraduate.

Trimester

For those of you who need some ammunition when arguing over the supposed merits of a trimester system as presented in the CCCP idea (see last week's headline story), the following objections might spur your thinking:

a) Rapidity of pace is often detrimental to the learning process;

b) Semesters would offer more time to the student preparing a term paper or project;

c) Probability of inspiring interest in a subject is directly proportional to the exposure time;

d) It's easier to offer a reading period at semester intervals;

e) More terms would mean more wasted unproductive time in laboratory subjects (i.e., set-up and clean-up time);

f) Non-educational mechanics of registration, exams, and grading would consume an increased share of the professor's time — at the expense of the student.

g) Scheduling problems, for both students and the administration, would be enormous.

Think them over. See you in the Fall!

Campus Topics

FCC head discusses planning of fall's Freshman Weekend

By David Rubin

In just four months, freshmen will pour onto the MIT campus, with starry eyes and honor society lapel pins. In expectation of that event, the Freshman Coordinating Committee (FCC) is planning Freshman Weekend. In that four days, we hope to take the lumps out of their stomachs without also destroying all their ocular stars. The task is basically one of coordination. The faculty, the administration, the living groups, the activities, and the athletic teams all have something to say to the freshmen.

The faculty advisors, for example, must meet the freshmen, help them determine which elective to take, and try to emphasize where each freshman will have to be careful. The faculty would also like to show the freshman with the research and personalities that are its highlights. The "Introduction to Technology" lecture is the means of accomplishing this.

The weekend planned by the FCC with the help of the Freshman Advisory Council, the Activities Council, the International Students Council, the IFC, and the dormitories, begins on Thursday, the 17th of September, at 8:30 a.m. It will run until Sunday, when Dr. Stratton's tea and reception is planned.

We have tried this year to condense the weekend, minimize sitting and listening, and leave as much time for the freshmen, especially those freshmen arriving after Rush Week, to adjust to their surroundings. The psychological test has been eliminated, the number of lectures has been cut down, and the experimental "electives midway" is being added. It is our hope that this will make the weekend more successful. I would like to ask all of you to remember that freshmen don't bite, but they do scare easily, and try to make the first few days at the Institute a little less frightening and a little friendlier than the next four years will be.





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U of Buffalo cites Schafer, Seyferth

Two MIT professors were awarded citations by the University of Buffalo College of Arts and Sciences last month.

Honored for "distinguished professional accomplishment" in the physical sciences were: Dr. Richard Schafer, deputy head of the department of mathematics; and Dr. Dietman Seyferth, professor of chemistry.

Six Burtonites get pencil probation; attempted to borrow MTA hand-car

By James Velleux

Six Burton House residents, two sophomores and four freshmen, received pencil probation last Wednesday. Kenneth R. Wadleigh, Dean of Student Affairs, told the students that they had "drawn heavily upon MIT's bank account of good will with both the Brookline Police and the residents of that area."

In an attempt to commandeer an MTA motorized hand-car at Cleveland Circle terminal in the early hours of the morning, the group was chased off the trolley line by a night watchman. They quickly fled, crossing through the nearby yard of a Brookline resident. The property owner immedi-

ately reported their presence to the police, who had been plagued by a recent series of burglaries in that area.

Through the efforts of seven patrol cars, four of the students were nabbed before they could escape the Brookline area. They were then interrogated for over two hours by ten police officers. The remaining two were able to elude the Brookline police and later solicited a ride from an MDC patrol car.

All six of the students' names were turned over to the Campus Patrol that morning; next afternoon the group conferred with Dean Wadleigh.

Dr. Leonard Herzog honored with award

Dr. Leonard Herzog, II, founder, chairman and president, Nuclide Corporation, Nuclide Analysis Associates, Radionuclide, has been named a recipient of the Free Enterprise Awards Association's 12th Annual American Success Story Awards. Dr. Herzog received his Ph.D. in Nuclear geophysics at MIT.

The award is presented as an example of the success possible under America's free enterprise democracy.

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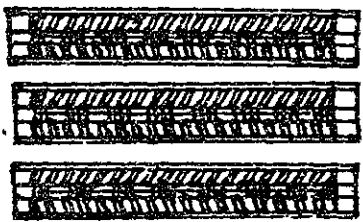
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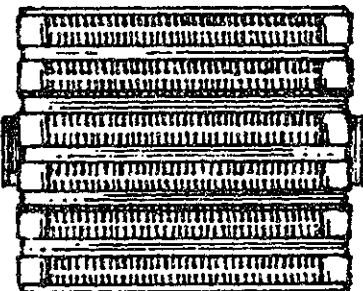
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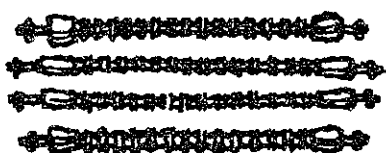
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Movie Schedule

Wednesday, May 20, through Tues-
day, May 26 (Unless otherwise stated
the Sunday schedule is the same as
the weekly schedule except that no
movies are shown before 1:00 p.m.)
ASTOR — 'Dr. Strangelove,' Mon-Sat.
9:55, 11:55, 1:55, 3:55, 5:55,
7:55, 9:55; Sun., 1:25, 3:25, 5:25,
7:25, 9:25; shorts start 25 minutes
before the feature.
BEACON HILL — 'Tom Jones,' 10:15,
12:30, 2:45, 5:00, 7:15, 9:30; Sun.,
1:00, 3:10, 5:20, 7:30, 9:40.
BOSTON CINERAMA — 'It's a Mad,
Mad, Mad, Mad World,' evenings at
8:30, mats. Wed. 2:00, Sat. & Sun.
1:00 and 4:45.
BRATTLE — End of horror cycle:
'The Curse of the Demon,' through
Sat. Starting Sun., Humphrey Bogart
week: Sunday, 'The Big Sleep,' Mon-

day 'The Maltese Falcon,' Tuesday
and Wednesday, 'Casablanca,' Thurs-
day, 'Treasure of Sierra Madre,' Fri-
day, 'The Petrified Forest,' Saturday,
'To Have and Have Not.' Shows
daily 5:30, 7:30, 9:30, matinees Sat.
and Sun. at 3:30.
CINEMA KENMORE SQUARE — 'A
Stranger Knocks,' 2:44, 4:09, 5:34,
7:00, 8:24, 9:50.
EXETER — 'Murder, She Said,' 2:05,
5:05, 8:05; 'The Happiest Days of
Your Life,' 3:40, 6:40, 9:40.
GARY — 'The Pink Panther,' 10:00,
12:00, 2:00, 4:00, 6:00, 8:00, 10:00;
Sun. 1:00, 3:00, 5:00, 7:00, 9:00.
HARVARD SQUARE — 'The Best
Man,' 2:45, 6:15, 9:45; 'Separate
Tables,' 1:15, 4:30, 8:05. Starting
next Wed.: 'From Russia With Love.'
KEITH MEMORIAL — 'Spartacus,'
9:50, 1:25, 4:55, 8:25.
PARK SQUARE CINEMA — 'A
Stranger Knocks,' 2:44, 4:09, 5:34,
7:00, 8:24, 9:50.
SAXON — 'Becket,' eves. at 8:30 pm,
mats. at 1:30 weekdays, 1:30 and
5:30 Sat., Sun., and holidays.
UPTOWN — 'Charade,' weekdays
11:00, 2:25, 5:55, 9:30; Sun. 2:55,
5:55, 9:30; 'Beat the Devil,' week-
days 12:50, 4:20, 7:50, Sun. 1:00,
3:55, 7:50.

Critic's Choice

'What a Way to Go' commercial & overblown

By Gilberto Perez-Guillermo

The story of 'What a Way to Go' (at the Loew's Orpheum) concerns a girl of simple ambi-
tions who cannot avoid becoming
fabulously wealthy. For a mo-
ment, I thought the intention was
to pass the film off as a satiri-
cal view of Money in the Ameri-
can Way, but I cannot think of
a worse way of treating that
point: the film is the most dis-
gusting kind of commercial mov-
ie, a vulgar, lavish spectacular
in which every frame seems ob-
viously tailored to the box of-
fice.

the bright decor, or the opulent
gowns, you find the big-name
stars: Shirley MacLaine, Gene
Kelly, Robert Mitchum, Dean
Martin, Paul Newman (maybe I
forgot someone). And if you are
still unimpressed, the film goes
out of its way to show off as
many square inches per frame
of Miss MacLaine's bare skin as
possible. And if you'd rather be
watching another kind of movie,
there are parodies of a silent
flick, of a foreign film, of a lush
budget picture (which was hard
to distinguish from the actual
film), and of old-style musicals.
Of course, a picture can be vul-
gar and commercial and still be
fun. The film parodies could have
been clever, for instance. But they
weren't, and 'What a Way to
Go!' was, for the most part, pret-
ty dull.

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'The Manchurian Candidate' (at
the LSC Contemporary Series) re-
mains John Frankenheimer's best
film to date, an outrageous trav-
esty of anti-Communism (includ-
ing a right-wing senator who is
actually a Communist agent) in
the form of a baroque political
thriller, treated in Frankenhei-
mer's elaborate visual style. The
film is, of course, incredible; yet,
some of the details have already
acquired disturbing actuality.
Frankenheimer inevitably over-
stresses some of the effects, there
are some irrelevant situations,
and the final sequence, brilliant
as it is, makes one feel a bit
cheated. Still, the film is unmis-
takably the work of an exciting
young talent, something rare in
American movies.

The trouble with 'West Side Sto-
ry' (at the LSC Contemporary Se-
ries) lies in the uneasy relation
between fantasy and reality. A
good musical must always evoke a
suspension of disbelief (after all,
people do not dance in the
streets), which is not completely
achieved in 'West Side Story' be-
cause of the insistence on a real-
istic context. Perhaps, in prin-
ciple, one cannot make a mus-
ical on juvenile delinquency.
Still, the film is worth seeing,
with a few nice sequences and
songs.

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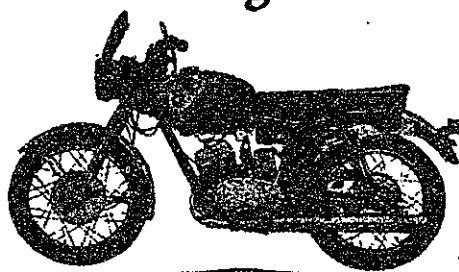
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31	1	2				

Judith — Jean Girardoux's drama, presented by the MIT Community Players directed by Jol Oberly, May 21, 22, 23, 8:30 pm, Kresge Auditorium; tickets \$1.50 at the Box Office, ext. 2910, eves. Mon.-Thurs. at 8:30, Fri. and Sat. at 7:15 and 9:45.

'The Glass Menagerie' — by Tennessee Williams, starring Betty Field; at the Charles Playhouse through May 31, eves. Tues.-Fri. at 8:30, Sat. at 5:30 and 9:00, Sun. at 3:00 and 7:30.

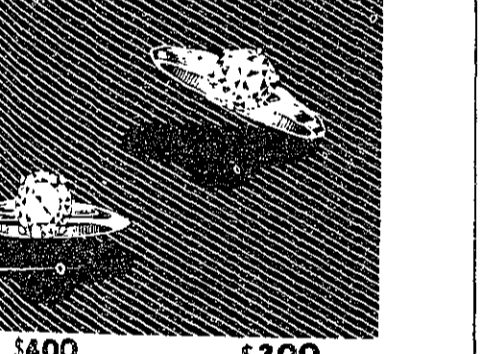
MISCELLANEOUS
Hayden Library Gallery — exhibition of abstract paintings by Zao Wou-Ki; Mon.-Fri. 10:00 am to 5:00 pm, Sat. and Sun. 1:00 to 5:00 pm.

NEXT WEEK
MUSIC
Dave Clark Five — English rivals of the Beatles, appearing at the Donnelly Memorial for two shows only, June 1, 4:00 and 8:00 pm, direct from England.

HARVARD SO UN 4-4580
"The Best Man," 2:45, 6:15, 9:45.
"Separate Tables," 1:15, 4:30, 8:05.
Starting next Wed.:
"From Russia With Love"

BRATTLE SO TR 6-4228
End of the Horror Cycle:
"The Curse of the Demon," through Sat. Starting Sun., Humphrey Bogart week: Sunday, "The Big Sleep," Monday, "The Maltese Falcon," Tuesday and Wednesday, "Casablanca," Thursday, "Treasure of Sierra Madre," Friday, "The Petrified Forest," Saturday, "To Have and Have Not." Shows daily 5:30, 7:30, 9:30, matinees Sat. & Sun. at 3:30.

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Gardner Museum — Thursday, May 28, songs by English composers for soprano; Sunday, May 31, music for clarinet, violin, and piano, program to be announced; both concerts at 3:00 pm, admission free.

THEATRE
'Who's Afraid of Virginia Woolf' — at the Shubert Theatre for two weeks beginning June 1; return engagement of Abbee's drama, starring Shepperd Strudwick and Nancy Kelly.

MISCELLANEOUS
Museum of Fine Arts — continuation of Photography in the Fine Arts, Contemporary Sculpture, Nineteenth Century Americans, and recently acquired European masters.

MIT Finals Week — presented by the faculty of MIT, the semi-annual amateur spectacular; with a cast of thousands and coeds; June 1-5, performances at 9:00 am and 1:00 pm; kara-kiri show in the Great Court June 5, 5:00 pm; admission \$1700.

Woodrow Wilson Sayre To Speak
Mr. Sayre will be the speaker at a banquet to be held at 7:00 p.m. on Friday, May 22 at 64 Marlborough St., at Berkeley St., Boston.
For reservations, please call
CO 7-6730

Basic research support

(Continued from Page 1)
ing according to the formula "quest for knowledge for knowledge's sake." Although the Fund is primarily for support of research in the physical sciences, it may be used in the fields of mathematics, engineering, and the economics of production.
Dr. Stratton noted that the fund provides virtually unrestricted support for basic research. He continued, "in these days . . . when extensive funding of scientific endeavor comes from government, private funds remain an essential source of venture capital for educational organizations. (The Sloan Fund) demonstrates that private support for science, when greatly needed, is available."

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Contemporary Series
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Friday, May 22 6:30 & 9:00
Kresge 60c

Entertainment Series
'THE MANCHURIAN CANDIDATE'
Saturday, May 23 6:00 & 9:00
Kresge 35c

Wednesday, May 27
Kresge 8:00

FREE MOVIE

First day of reading period

Behavior of children prime topic of current psychological research

(Continued from Page 1)

Finally, some of the most diversified work is being done in the field of developmental and social psychology.

shrews and monkeys as subjects for various experiments. At present, in collaboration with Dr. Held's group, Dr. Burton White is studying the sensorimotor development of infants. At a special nursery in Tewksbury, they observe a group of infants raised under uniform conditions. From these children, the group is gathering data on the appearance and development of head-turning, eye-movements, and other stages of motor development.

In the area of social interaction Dr. H. D. Saltztein is studying the ways in which children acquire social norms and moral values. Some additional work in development is currently being done by

Dr. Jerome Fodor and Mr. Thomas Bever on the acquisition of language in children and their ability to handle language at various ages.

Dr. Teuber and his colleagues are committed to advancing the science of psychology. With the continued help of grants from the Hartford and Rockefeller Foundations, and public agencies including the NIH, NASA, AEC, and the Air Force, even more diversification and expansion is planned. ent, Kabuki is the holder of the Best Cat Award for animal perception.

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First three floors

Green Center has auditorium, library

By James Velleux
Facilities for the general use of the Institute in the new Earth Sciences Center will include an auditorium, a library, and classrooms. They are located on the first three floors of the 277-foot structure.

To be used as an additional lecture hall for the larger MIT courses, the first-floor auditorium will seat 290 students. It contains a preparation room, a lec-

ture table, a projection room, and motorized shades for the windows.

The Lindgren Library, now a part of the Science Library, will be moved to the second story. Named after a former head of the geology department, the collection will contain over 10,000 volumes dealing with the earth sciences. The west end of the library will contain the Schwarz Memorial Map Room, an assembly of maps for instruction and research in these fields.

On the third floor are located three classrooms and three seminar rooms for the general use of the Institute.

Architectural Concrete

One of the most outstanding features of the new building, cited Dr. Henry A. Morss, Jr., liaison between the occupants and the architect, is its exterior construction in architectural concrete. Very few building projects have attempted this feat, since the quality of the concrete mix must be controlled to a high degree of accuracy throughout every stage of construction in which it is used. Furthermore, the color of the concrete used in the Green Center has to match the existing stone structures on campus. The outside of the building is now being sandblasted and water-proofed to preserve its finish.

Structurally the Center is supported by eight large pile caps at its base. The caps contain about two-thirds of the 400 piles which were driven 130 feet into the ground for the building two years ago. The structure's weight is transferred from the four pile caps on each side to ten columns positioned between the windows. With structural supports confined to the outside of the building, every floor is free of obstacles.

Open Lobby

The Center's lobby, rising twenty feet above the ground, will be

completely open, except for huge glass partitions at each end to enclose elevators and stairways leading to the upper floors. Three electronically programmed high-speed elevators and a stairway on the east end and two additional stairways on the west end will provide service to the building.

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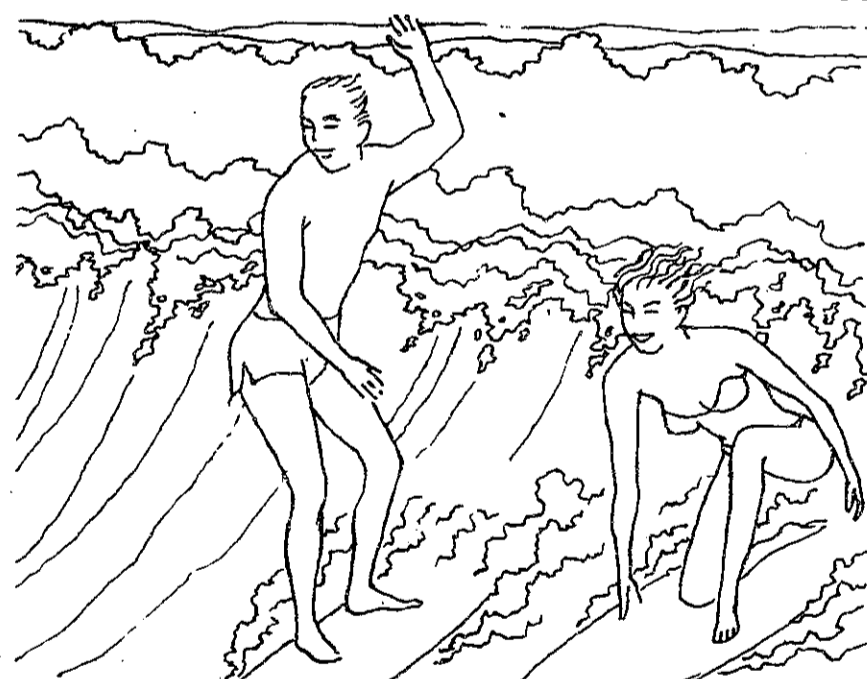
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Moter and Blumberg team places 3rd in NE doubles

Tech's top four tennis players went to Williams College May 15 and 16 where they competed in the New England College Championships and placed one doubles team third in the standings. To Williams went Jack Moter '64, Bill Petrick '65, Bob Blumberg '64 and Dick Thurber '66.

The two doubles teams representing MIT, Moter Blumberg and Petrick Thurber, did surprisingly well in the first round of the single elimination tournament as they eliminated the second seeded team from Yale and the third seeded team from Wesleyan 6-4, 6-4 and 6-3 5-7, 6-3 respectively. Petrick and Thurber lost to Martin and Twitchell from U. Mass.

Baseball nine drops two season ends at 2-15

By John Schwartz

The varsity baseball squad rounded out a dismal season at two wins and fifteen losses this week as they dropped their final two games, 2-1 to B.U., and 4-0 to Trinity.

Jack Mazola '66 was the losing pitcher against B.U. The Terriers scored their first run without the benefit of a base hit, but were able to capitalize on an error and two costly walks. A walk, a single, and another error led to the second Terrier run in the seventh, which proved enough to be the winning margin. Tech's lone run also was unearned as the Beavers similarly took advantage of two walks and an error.

Against Trinity, Rick Gander '65 suffered the loss, being relieved late in the game by Larry Calof '66. Tech mustered five hits, two by centerfielder Roy Wytenbach '65. Trinity put together three hits, a walk, and three Tech errors to push across all four of their runs in the sixth inning. Tech Captain Don Alusic '64 had twenty-four putouts at first base in the two games.

R H E

B.U.	0 0 0 1 0 0 1 0 0	— 2 6 5
MIT	0 0 0 0 1 0 0 0 0	— 1 2 3
Trinity ...	0 0 0 0 0 4 0 0 0	— 4 4 3
MIT	0 0 0 0 0 0 0 0 0	— 0 5 4

Cronburg sails to 2nd in NEISA in single-handed championship final

By Ken Browning

Terry Cronberg '66, captain of MIT's championship sailing team, added an individual honor to his list of victories for the spring season. Cronberg led most of the way, but fouled out of his next-to-last race, giving Coast Guard's Steve Martin the necessary edge to take son by placing second in New England in the NEISA single-handed championship regatta held

4-6, 3-6 in the second round. Blumberg and Moter finally lost to the Williams squad in the semi-finals 5-7 and 0-6.

In the singles matches MIT did not do too well as both Petrick and Thurber were eliminated in the first round. Moter lost out in the third round to Kileff of Harvard 2-6, 1-6.



Sumner Brown '66 is leading Northeastern's Dave Dunskey as they finish the third lap of the mile run. Brown won the race in 4:17.9 but Northeastern won the meet 82-62.

Photo by Bill Park

Record now 4-2 Trackmen lose 62-82

By Don Bosack

Tech's track team lost to Northeastern University 82-62, in a home meet last Wednesday. The loss gives the trackmen a 4-2 season record with only the New Hampshire meet remaining on the schedule.

Dave Carrier '66 led MIT with firsts in both the triple jump —

42' 9 1/2", and the broad jump — 21' 4". Other first place winners were Sumner Brown '66, mile — 4:17.5; Jim Flink 64, 100 yard dash — 9.9; Terry Dorschner '65, 440 yard hurdles — 56.5; and Mike Keehner '65, pole vault — 12'.

In the Eastern Intercollegiate Athletic Association track meet held last Saturday, Bates College edged MIT 69-68. Final team scores were: Bates 69, MIT 68, Central Conn. 55, Trinity 29, Tufts 24, Bowdoin 21, Brandeis 21, Middlebury 12, Providence 8, WPI 6, Southern Conn. 5 and Colby 3.

MIT's first place winners were Terry Dorschner, high hurdles — 14.6, and 440 yard hurdles — 53.6; and Jim Flink, 100 yard dash — 10.0, and 220 yard dash — 21.6. Dave Carrier and Sumner Brown took seconds in the broad jump and mile respectively.

on the Charles last weekend. top honors. Tech's other competing skipper, Ed Shaw '65, didn't make it out of semi-finals.

Cronberg will compete for the North America single-handed championship at the University of Washington the week after the MIT sailing team races in the North American championship Morse Trophy regatta and the Interdistrict team racing championship (Walter C. Wood Trophy) in Vancouver, British Columbia on June 15-19.

The other MIT skipper who will race at Vancouver is Don Schwanz '66, who teamed up with Cronberg to lead MIT to an undefeated spring season and to MIT's seventh New England Sailing championship.

Lacrosse team loses final record 5 & 9

By Neal Gilman

The MIT varsity lacrosse team ended its season last Wednesday with a 12-3 loss to Wesleyan, which brought the team's final tally for the year to 5 wins and 9 losses.

During the first fourteen minutes of the game, MIT seemed on its way to its fifth victory in its last six games. Controlling the ball most of the first period, the team remained ahead, 3 to 2. MIT's defense, however, was gradually overcome by the superior Wesleyan team.

Kirkwood became the high scorer this season, scoring a total of 13 goals. Captain Bill Dreiss and Yansen were high point men, each gathering a total of 16 points (total goals and assists). Wayne Matson '64 had 15 points, while Ron Mandle '65 and Kirkwood both had 14.

By Peter Staocker

It was a grim day for the lightweighters at the EARC Sprint Championships last Saturday. At the end of the day it was again the Big Red from Cornell who took home the lion's share of the shirts.

If a headwind is to be counted in Cornell's favor, no place was it more evident than in the var-

sity final in the afternoon. The long and low stroke was the order of the day, and Cornell made it pay off for them as they forged into an early lead stroking at a 32 1/2.

It was Harvard off like a shot, at first, however, and the Crimson held the lead until 500 metres, but only by holding the stroke dangerously high. It was Cornell and Harvard battling it out with 1/4 of the race gone, and the Engineers back about one length at a 32.

At 1000 metres the MIT beat jumped to a 34 and the gray boat started to move. The margin on Tech by both lead boats started to shrink, but with 900 metres left, Cornell met the challenge and raised their stroke to a 34 1/2 and started to pull away again.

Varsity takes Harvard

Now it was Harvard really struggling to hold onto second

place. A big ten by the Engineers, and the boats were even, both about a length down on Cornell. Another big ten and it was all over for the Crimson. Tech was just walking down the Harvard boat now, and with 50 strokes left in the race, the stroke started to climb as the Engineers made one last effort to close the gap. The margin was too big, however, and Cornell crossed the line 1 1/2 to 2 lengths ahead in a display of sheer power.

JV's lose in last 40

The Junior Varsity race was a heartbreaker for the Engineers. It was MIT all the way down the 2000 metre course—all the way until the last 40 strokes, that is. The pressure of Cornell and Harvard slowly narrowing the margin finally got through, and the Tech boat fell apart, as it fell from first to third place in the fleeting moments of the race.

Frosh sports

Tennis squad falls 5-4

By W. Thomas Compton

The tennis team lost two more and have lost the last three by 5-4 scores. This week the losses were to Brown and Portsmouth Priory School.

Eric Coe, John St. Peter, and Rick Heldt all won their singles, and the score was 3-3 going into the doubles. There they were the victim of tactical errors. Tech's number 1 and 4 men lost to Brown's number 1 and a substitute. Then Tech's 2nd and 3rd beat Brown's 4th and 5th. This left MIT's 5th and 6th to their 3rd and 6th. Tech was leading 4-2 but lost the next 10 straight, and the match.

Against Portsmouth, St. Peter and Heldt won singles, along with first and second doubles.

Lacrosse

The Lacrosse team closed out their season last Saturday at 1 and 9. Last week they lost to Tabor Academy 5-1 and Tufts 7-2.

After showing vast improvement throughout the season, MIT reached its peak against Tabor. Tabor beat Lawrence Academy by 12-1, and Lawrence beat MIT by 6-1, so the 5-1 score was a good showing. Steve Schroeder, the season's high scorer, scored Tech's only goal. With 2 seconds left, Schroeder had the ball at midfield, and he shot from 40 yards out. It hit one of Tabor's men and rolled in, preventing a shutout.

Garland Taylor played a good game against Tufts, with 15 saves in the first half. Tufts capitalized on most of Tech errors to score. George Wheeler and A. R. Von Waldburg scored for MIT.

Lightweight crew

The freshmen lights had a bad day at the sprints held last Saturday at Worcester. The crew finished fourth behind a Penn crew they had beaten by 2 lengths two weeks earlier to miss qualifying for the championship finals. In the consolation final in the afternoon, however, they changed tactics and beat Dartmouth and Georgetown by 2 lengths.

Heavyweights crew

The frosh heavies also had a hard time at the Eastern Sprints in finishing fourth in their consolation race in the afternoon. They missed qualifying for the championship race by 2 1/2 seconds after rowing the entire morning race at 34 or higher.

Golfers win second; Record now at 2-16

The MIT varsity golf team won their second match of the season by topping Bowdoin by a 4-3 score as John Eck '65 had to go seven holes to pull out the victory. Earlier in the week the squad lost to WPI 7-0, Springfield 5-2, and lost to New Hampshire in the Bowdoin triangular 5-2. Other winners for Tech against Bowdoin were Peter Lubitz '65, Dave Andrews '66, and Tom Hedburg '65.

On Deck

Today, Wednesday, May 20
Baseball (F) Cambridge School, Home, 4:00 pm
Tennis (F) Noble & Greenough School, Home, 3:15 pm
Saturday, May 23
Track (V&F) New England at White Stadium, Boston

Heavies finish fifth at Sprints; JV comes in third in close finish

By C. R. Miller

The MIT Varsity and JV heavyweight crews turned in performances which somewhat outshined the predictions of the rowing experts last Saturday on a windy 2000 meter course on Lake Quin-

sigamond at Worcester. The Engineers finished fifth and third, respectively, though they were seeded seventh and fourth out of a field of 14 crews.

Both crews qualified in the morning elimination heats, though the Varsity had anything but an easy time of it. A long, hard sprint was all that assured a berth in the finals for the varsity, as they squeaked across the line ahead of Brown in a photo finish.

The final heats in the afternoon found the Varsity in lane 6 of the course. This lane, being in the middle of the lake, was exposed to the strong headwind, which left the Engineers at a distinct disadvantage in comparison to Wisconsin, Yale and Harvard, who were enjoying the sheltered lanes near the shore. Though they fought hard, the Tech oarsmen only managed to beat Syracuse in the finals, as Harvard, Cornell, Yale and Wisconsin finished out front, in that order.

How They Did

Baseball	Boston University 2—MIT (V) 1 Trinity 4—MIT (V) 0 Dean Junior Coll. 9—MIT (F) 3 Exeter 10—MIT (F) 2
Heavyweight Crew	MIT (V) placed 5th in Eastern Sprints MIT (JV) placed 3rd in Eastern Sprints MIT (F) placed 10th in Eastern Sprints
Lightweight Crew	MIT (V) placed 2nd in Eastern Sprints MIT (JV) placed 3rd in Eastern Sprints MIT (F) placed 7th in Eastern Sprints

Golf	WPI 7—MIT (V) 0 Springfield 5—MIT (V) 2 New Hampshire 5—MIT (V) 2 MIT (V) 4—Bowdoin 3 Andover 6—MIT (F) 1 Exeter 5—MIT (F) 2
Lacrosse	Wesleyan 12—MIT (V) 3 Tabor Academy 5—MIT (F) 1 Tufts 7—MIT (F) 2
Tennis	MIT (V) doubles placed 3rd in New England Portsmouth Priory 5—MIT (F) 4 Brown 5—MIT (F) 4
Track	Northeastern 82—MIT (V) 62 Northeastern 80—MIT (F) 62 MIT (V) placed 2nd in Easterns

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