

Close Of Centennial Celebration Leaves MIT Weary But Proud

The celebration of the one hundredth anniversary of the founding of the Massachusetts Institute of Technology was served over the week of April 2nd to 9th amidst speech making, discussions, music, and pomp and ceremony. The week brought such men to the campus as Prime Minister Macmillan of Britain, Dr. J. Robert Oppenheimer, Sir John Cockcroft, and many, many others. The week reached a climax Sunday, April ninth with a invocation and academic procession addressed by President Stratton of MIT and Governor John A. Volpe of Massachusetts, as well as greetings from

the alumni, students, faculty and American and foreign universities. In his address, Dr. Stratton spoke of the potential ills of science, and the task of MIT in the future, saying:

"The prospects of potential evil or disaster are so many and so frightening that thoughtful people question how far we dare proceed. * * * To this I reply that there is no retreat. We have no alternative but to follow truth wherever it may lead us. One cannot escape evil by ignorance. * * * Tomorrow MIT sets forth upon its second century dedicated to truth through science, proud of its concern for useful knowl-

edge, and alive to a new order of ethical and social responsibilities."

Millikan Reports

Earlier in the week, some 135 distinguished scientists, educators, and statesmen had met in four closed panel discussions to grapple with the problems confronting the modern world. Dr. Max Millikan, Professor of Economics, reported on the panel discussion - entitled, "Science and Engineering in Newly Developing Countries."

Dr. Millikan told Friday's public assembly that the panel had tried to resolve the question of whether a new country should concentrate on educating a small number of people to a very high level of achievement or educate the great mass of people to a lesser extent. The question arose as to the desirability of emphasizing money over-people in foreign aid. The only apparent conclusion of the panel was that both courses must be followed to a degree.

The group did decide that there is a definite need for improving the efficiency of the educational process itself; there was agreement that drastic revision is needed in elementary and secondary education, particularly in underdeveloped areas, though not exclusively there.

Discuss Technological Changes

Professor Martin Deutsch, speaking for the panel on "Problems of Scientific and Engineering Education in Countries with More Advanced Technologies," concluded that the greatest challenge lies not in handling vastly increased numbers of students, but in coping with the tremendous rate of change in technology itself.

It will become increasingly difficult merely to decide what a man should study, and to give him some sense of the significance of his work in the expanding fields of knowledge, the panel concluded.

Secretary Rusk Speaks

Secretary of State Dean Rusk opened his Friday afternoon address by saying that "MIT is a symbol of excellence right around the world." He then went on to discuss, in general terms, areas of international relations, and how they are affected by individuals. He spoke of the means by which our entire foreign policy is affected by science and education.

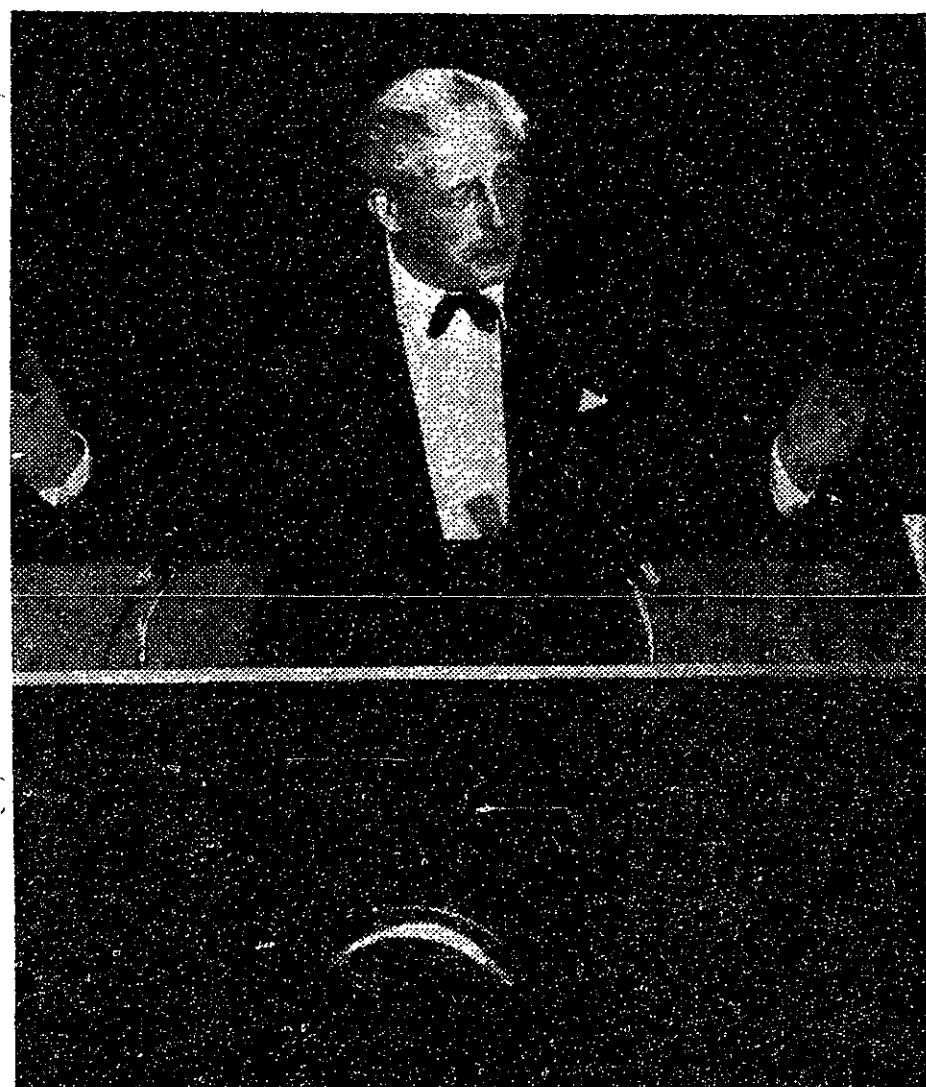
Rusk pointed out that the world is depending upon technology to satisfy basic human needs, so that one society need not seize the resources of another. He contended that the education of the people of a society is something that must come along with their developing culture, not something that can be separated out and given later.

A third Friday assembly heard Prime Minister Macmillan call for an increase in areas of free trade, and for a tripartite check upon NATO nuclear weapons.

Present Day Idolatry

On Saturday, there were six panel discussions, three in the

(Please turn to page 2)



— Photo by Conrad Grundlehner '64
Britain's Prime Minister Harold Macmillan at Centennial.

Macmillan Addresses Centennial; Calls For Free World Cooperation

British Prime Minister Harold Macmillan spoke for nearly one hour to a captivated audience of about 7,000 persons in the highlight address of MIT's Centennial Week celebration.

Speaking from the rostrum in an almost miraculously transformed Rockwell Cage, Macmillan was viewed by nearly 3,000 persons watching on closed circuit television in Kresge Auditorium and in specially erected tents near the Cage, as well as by 4,000 inside the packed cage.

Macmillan spiced the lengthy address with bits of characteristically British wit, as well as remarks which drew several bursts of spontaneous applause from the huge audience.

Government Gives Aid To Build Residences For Married Students

MIT will receive a \$3 million government loan for construction of housing for married students, Philip A. Stoddard, Vice Treasurer of the Institute, announced this week. Final approval of the loan was confirmed Monday, April 10 by the Community Facilities Administration.

Although architect's drawings will not be available for about four weeks, tentative plans include a tower, possibly 16 stories high, as well as four three-story structures. Featuring a view of the Charles River, the large building will include 90 efficiency and 60 one-bedroom apartments. The surrounding smaller buildings will consist of 60 one-bedroom and 60 two-bedroom units.

The project will be located at the corner of Audrey and Vassar Streets on West Campus, formerly the site of the Westgate barracks. Construction may start as early as November of this year. The architects are Hugh Stubbins and Associates.

With the exception of Bexley Hall, no formal provision is presently made for housing married students on or near the MIT campus. The services of the office of the Dean of Residence (Dean Frederick J. Fassett) are available for finding apartments of a suitable nature and location.

Emphasizing the relatively small gains made by the Western alliance as compared with Communist activities in recent years, Macmillan said: "Three years ago President Eisenhower and I declared for interdependence. Today I say interdependence is not enough. We need unity — a wider unity, transcending traditional barriers; unity of purpose, of method, of organization."

The Prime Minister placed particular stress upon a united defense system, with as little duplication of effort in nuclear weapons as possible. A second area for united endeavor is the economic realm. Speaking of underdeveloped countries: "These countries have two material needs from us. They want more aid and they want more trade. Trade is really better than aid. It is with nations as with individuals. An intelligent and energetic man should be able to earn more money than he will ever be able to beg or

(Please turn to page 2)

Overseas Jobs Offered

Ceylonese Seek Science Teachers

Seniors and graduate students of MIT will have an opportunity to participate in an overseas teaching plan immediately upon graduation in June. The Ceylonese secondary school system is presently recruiting teachers in Physics, Chemistry, Biology, and Mathematics.

Those selected will leave for assignment in the latter part of June and will spend one year instructing in Ceylon. Salary will be \$80 per month—the same as is presently paid to Ceylonese high school teachers.

This program has made arrangements for lodging and for 50 per cent of the travel expenses. Prior to assuming a post in the school system, the American graduate will fly to England for special instruction in Ceylonese language and history, and the most effective and most recent methods in instructing English and the sciences in foreign countries.

The teachers will have an option of serving a second year in the program. During their one or two year stays in Ceylon they will have the same rights and privileges allowed to all servants of Ceylon. They will be able to obtain travel visas and participate in other

activities in the small nation.

According to Ira Jaffe, chairman of the Foreign Opportunities Committee, this will be an excellent chance for graduates to jump directly into a Peace Corps-type program. As things now stand, MIT will probably not be able to get any definite movements in this same direction underway until next year. The Peace Corps in Washington has also developed several delays. Thus, this also will not commence until next year.

Interested seniors and graduate students should check immediately with Ira Jaffe in Litchfield Lounge, or at Dean Rule's office. Deadline for applications is Friday, April 21.

The Marshal Leads Procession



— Photo by Conrad Grundlehner '64

Chief Marshal David A. Shepard leads the Centennial Academic procession.

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Centennial Speakers View World Problems

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morning and three in the afternoon. One panel, on "How Has Science in the Last Century Changed Man's View of Himself?" heard Jerome S. Bruner, Aldous Huxley, J. Robert Oppenheimer and Paul Tillich reach back into the Middle Ages to discuss the evolution of philosophical existence.

Huxley stated that, "The scientific world-view of the middle twentieth century offers no justification for fundamentalism, astrology or idolatrous nationalism. Nevertheless, idolatrous nationalism remains the world-wide, divisive religion of the twentieth century..."

Sidelights to the Centennial were an art exhibit in the Hayden Gallery featuring works from the collections of alumni, including Dr. Stratton and Dr.

Killian. The public proceedings were closed out Sunday night with the singing of Haydn's Creation Oratorio by the MIT Choral Society.

The actual day of founding, April 10, 1861 was observed at a student convocation on Monday, hearing Dr. Stratton, and the reporters from the closed panel discussions.

There was considerable commotion during the Centennial week over a snafu concerning the visas issued to the guests expected from the Soviet Union. It was indicated that a typing error in the State Department had reduced the validity of the visas to such a short period as to preclude an appearance at MIT. A substitute group of Russians was sent up from a conference in New Jersey to replace the missing scientists.

Much disappointment was expressed that the Soviets had not been able to attend the panels discussing science and international relations.

Macmillan's Address Stresses Free Trade

(Continued from Page 1)

borrow from his friends and relations."

In Macmillan's conclusion: "... Will man's destiny be fulfilled when once all men can satisfy their material needs? Or is there some deeper purpose, some higher power of which our bodies are only the transient manifestation? This great debate — I say — goes on across the world. It is not daunted by frontiers nor shut out by censorship. Sooner or later men and women in the Communist world will seek once more the answer to the eternal question: Why are we here; what is Life's purpose; is there a right and a wrong; is there a God? ... It is against that day that we must prepare and until that day that we must hold on and hold together ..."

Cockcroft Is Honored



— Photo by Conrad Grundlehner '64
Sir John Cockcroft and James R. Killian, Jr., at the award ceremony.

Sir John Cockcroft, Master of Churchill College in Cambridge University, was awarded the Atoms for Peace Award for his work in atomic nuclei and his leadership in the establishment of the British Atomic Energy Research Establishment for the study of peaceful uses for nuclear energy.

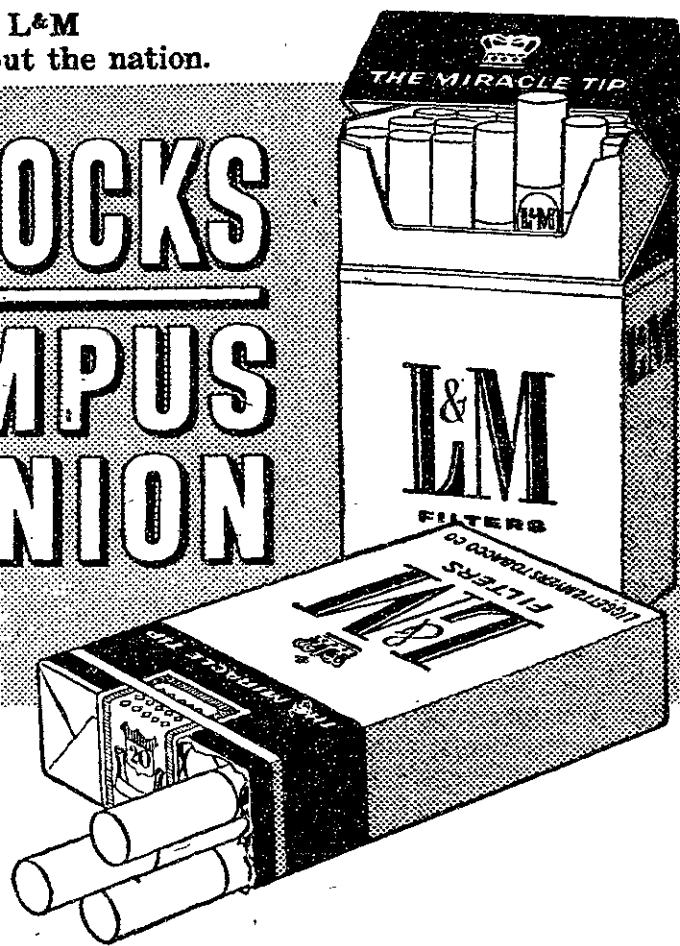
Sir John received a gold medallion symbolizing the

award and an honorarium of \$75,000.

The award was established in 1955 by the Ford Motor Company Fund in response to President Eisenhower's plea for industry's support of research in peaceful uses for atomic power. The awards are handled by an independent, non-profit corporation which has MIT as its headquarters and is headed by James R. Killian Jr.

#2 in a series of polls conducted by L&M student representatives throughout the nation.

L&M UNLOCKS CAMPUS OPINION



Light up an L&M, and answer these questions. Then compare your answers with 1,383 other college students (at bottom of page).

Question #1: Do you believe that most girls go to college to get a higher education or to find a husband?

Answer: Get higher education _____ Find a husband _____

Question #2: Which do you feel is most important as a personal goal for you in your career? (CHECK ONE)

Answer: Security of income _____ Quick promotion _____
Job satisfaction _____
Fame _____ Money _____ Recognition of talent _____

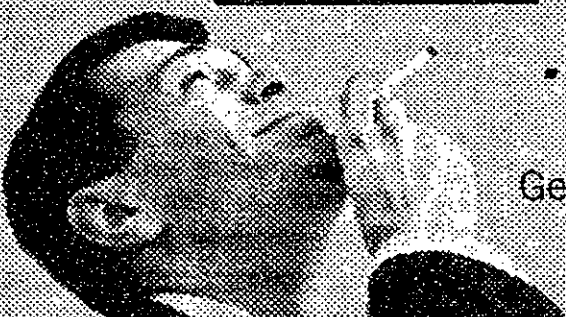
Question #3: Do you feel reading requirements are too heavy in your present courses?

Answer: Yes _____ No _____ No opinion _____

Question #4: If you are a filter cigarette smoker, which do you think contributes more to your smoking pleasure?

Answer: Quality of filter _____ Quality of tobacco _____
Both contribute equally _____

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Campus Opinion

Answers:

Answer #1: Get higher education: Men 27% - Women 52% - Find a husband: Men 73% - Women 48%

Answer #2: Security of income 17% - Quick promotion 2%
Job satisfaction 61% - Fame 1% - Money 8%
Recognition of talent 11%

Answer #3: Yes 17% - No 81% - No opinion 2%

Answer #4: Quality of filter 10% - Quality of tobacco 32%
Both contribute equally 58%

Tobacco and filter quality are equally important. That's why today's L&M features top quality tobaccos and L&M's famous Miracle Tip... pure white outside, pure white inside. Try a pack today.

(The L&M Campus Opinion Poll was taken at over 100 colleges and may not be a statistically random selection of all undergraduate schools.) ©1961 Liggett & Myers Tobacco Co.

Have a ball in Europe this Summer

(and get college credits, too!)

Imagine the fun you can have on a summer vacation in Europe that includes everything from touring the Continent and studying courses for credit at the famous Sorbonne in Paris to living it up on a three-week co-educational romp at a fabulous Mediterranean island beach-club resort! Interested? Check the tour descriptions below.

FRENCH STUDY TOUR, \$12.33 per day plus air fare. Two weeks touring France and Switzerland, sightseeing in Rouen, Tours, Bordeaux, Avignon, Lyon, Geneva, with visits to Mont-Saint-Michel and Lourdes. Then in Paris, stay six weeks studying at La Sorbonne. Courses include French Language, History, Drama, Art, Literature, for 2 to 6 credits. Spend your last week touring Luxembourg and Belgium. All-expense, 70-day tour includes sightseeing, hotels, meals, tuition for \$12.33 per day, plus Air France Jet Economy round-trip fare.

STUDENT HOLIDAYS TOUR OF EUROPE, \$15.72 per day plus air fare. Escorted 42-day tour includes visits to cultural centers, sightseeing in France, Switzerland, Italy, Austria, Germany, Luxembourg, Denmark, Sweden, Norway, Scotland, England, Holland and Belgium. Plenty of free time, entertainment. Hotel, meals, everything included for \$15.72 per day, plus Air France Jet Economy round-trip fare.

CLUB MEDITERRANEE, \$13.26 per day plus air fare. Here's a 21-day tour that features 3 days on your own in Paris, a week's sightseeing in Rome, Capri, Naples and Pompeii, plus 9 fun-filled, sun-filled, fabulous days and cool, exciting nights at the Polynesian-style Club Méditerranée on the romantic island of Sicily. Spend your days basking on the beach, swimming, sailing — your nights partying, singing, dancing. Accommodations, meals, everything only \$13.26 per day complete, plus Air France Jet Economy round-trip fare.

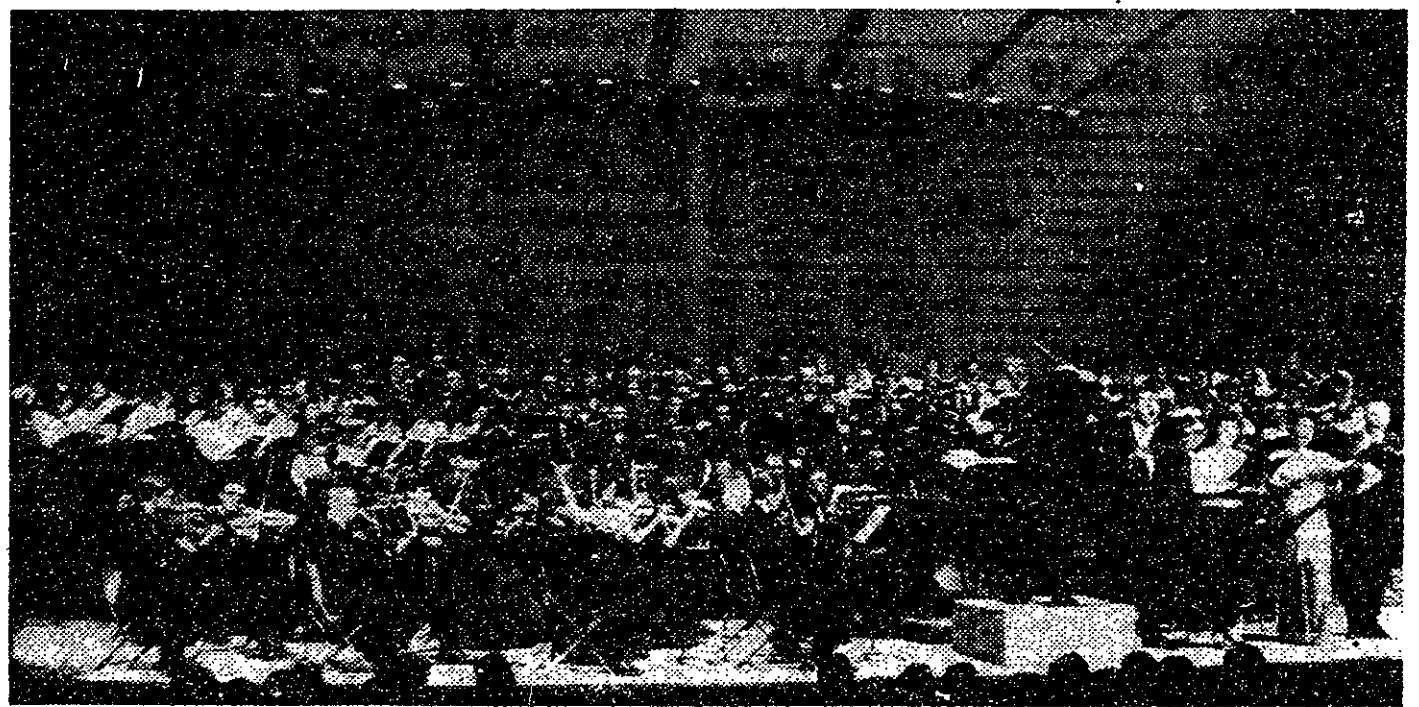
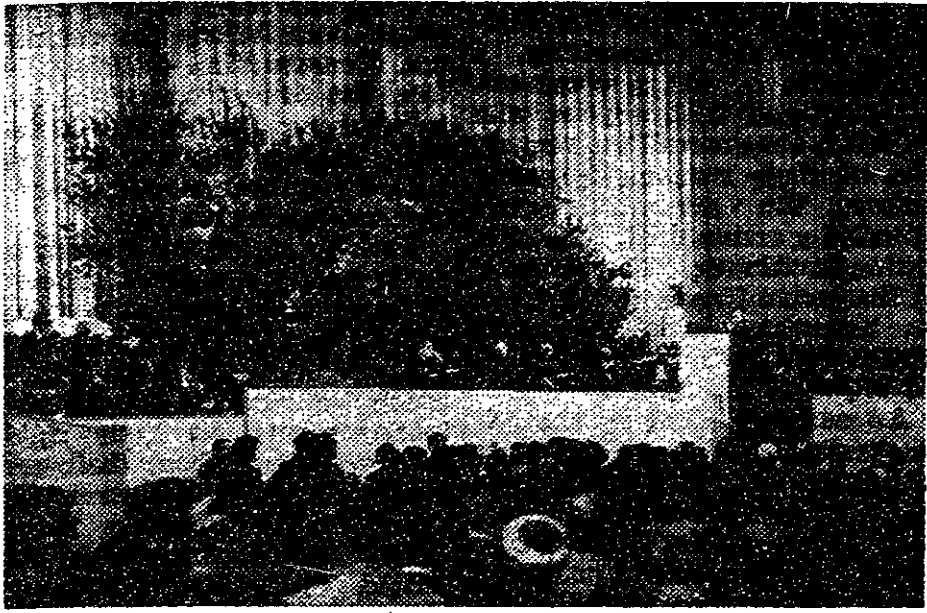
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 French Study Tour Student Holidays Tour
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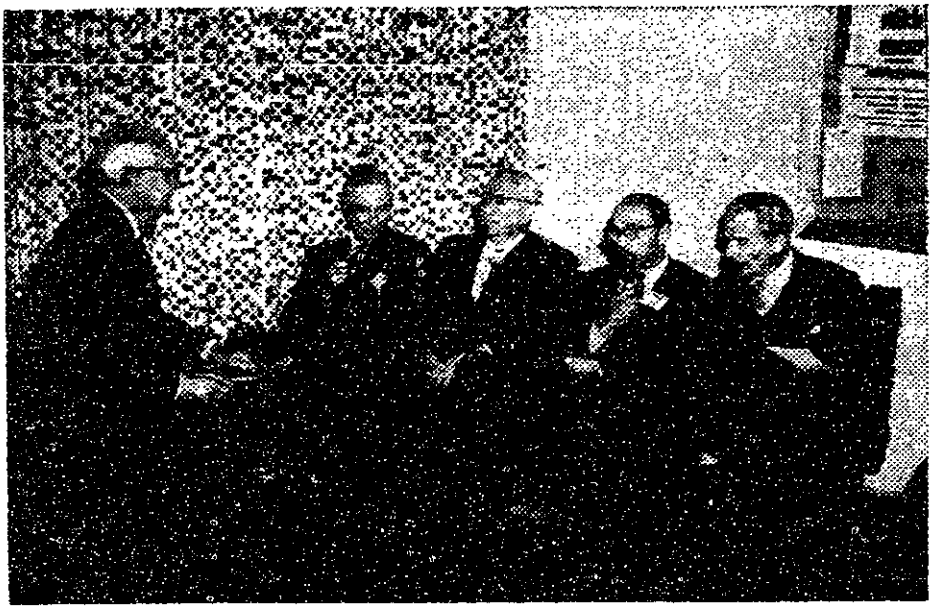
Name _____
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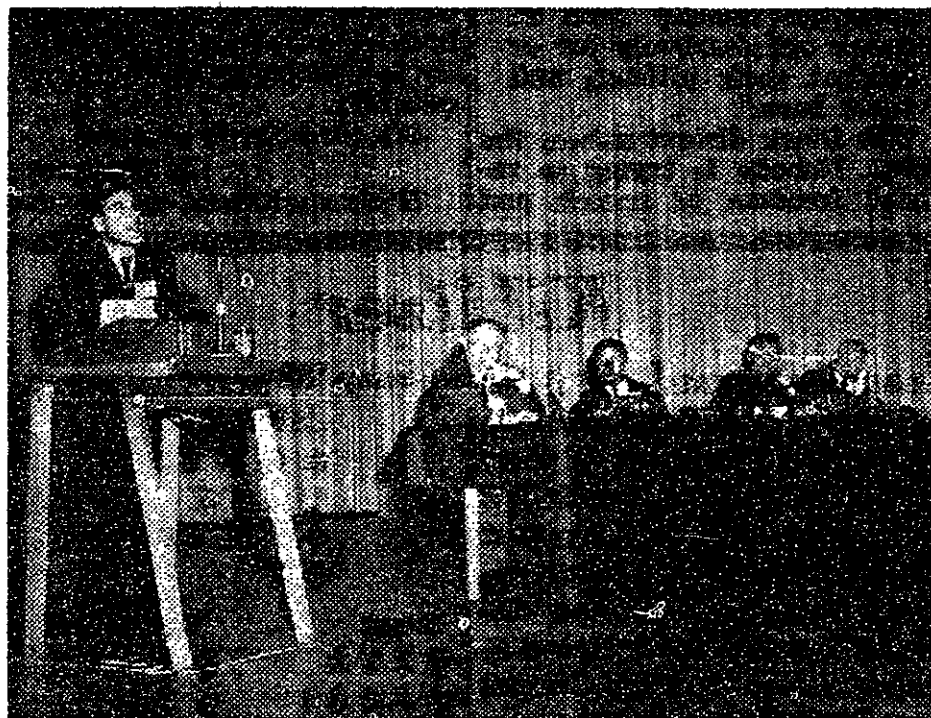
Centennial Crowds Acclaim Panels, Speeches And Music



(Left, above), Rockwell Cage as it looked to visitors during the MIT Centennial Celebration. The Cage had a seating capacity of 4500 with the areas to the right and left of the lecturn reserved for honored guests and conferees.



(Left, center), Panel on "How Has Science in the Last Century Changed Man's View of Himself?" (l. to r.): George Harrison, chairman, J. Robert Oppenheimer, Paul Tillich, Jerome Bruner, and Aldous Huxley.



(Left, below), Panel on "The Future of the Arts in a World of Science" included: Lucas Foss, Howard Mumford Jones, Pietro Belluschi, chairman, Richard Lippold, and Lewis Kahn.



(Right, above), Centennial visitors heard the MIT Choral Society and the Cambridge Festival Orchestra, under Klaus Liepmann, perform Haydn's "The Creation".

(Right, lower), Secretary of State Dean Rusk as he addressed Centennial visitors Friday afternoon in Rockwell Cage.

All photos by Boyd Estus '64, except lower right by Conrad Grundlehner '64.

Marlboro Contest

THREE
PRIZES WILL BE AWARDED

— RULES —

1. Contest is open to all accepted student groups within the Institute.
2. Ballots will be bottom flaps of empty packs of Philip Morris, Marlboro, Parliament or Alpine.
3. Groups must collect and store ballots until delivered to the lobby of the bowling alley in Walker on the last day of the contest.
4. Contest will start Tuesday, April 10, and close Thursday, May 11, at 3 p.m.
5. Ballots must be deposited at the lobby of the bowling alley in Walker at 3 p.m., May 11.
6. Ballots must be counted, tied in groups of twenty-five, and properly marked with exact amounts, and the name of the group participating.
7. Prizes to be awarded will be:

3 DECCA STEREO HI-FI CONSOLES

One each to the 3 Fraternities or Institute accepted group for the largest number of ballots presented.

8. Prizes will be on display in Tech Drug window.
9. A special bonus of two (2) points will be given for each Philip Morris, Commander presented. These must be packed separately.

Student Representative: Henry Dewey, Tel.: Ext. 3227

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SPACE ENGINEER

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forecasting and communications. This brilliant, young space engineer smokes Camels. He says they're the only cigarettes that give him real satisfaction every time he lights up.

The best tobacco makes the best smoke!

The Tech

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Unsigned editorials appearing in THE TECH constitute the opinion of the newspaper's Board of Directors, and not that of MIT. The newspaper welcomes letters from its readers. Space permitting, such letters will be printed in whole or in part, if deemed by the editor to be of sufficient interest or benefit to the community. Brevity increases the chance of publication. Anonymous letters will not be printed. Names will be withheld upon request.

The Centennial

The MIT Centennial reached a great climax a week ago capping addresses by Prime Minister Harold Macmillan of Great Britain, and Secretary of State Dean Rusk, with an academic procession and convocation. We think that congratulations are in order to the Centennial Committee for arranging an extremely interesting and valuable program. So many panel discussions and committee reports end in platitudes and banalities, that the great substance that was apparent in the plethora of words that poured out of here over the weekend is very remarkable. If there is any lasting significance to the deliberations that took place over the week will probably never be known: such things never are known. But certainly there has been a widespread exchange of ideas, that we hope will contribute to foundation of the solution to the many problems discussed.

We think that congratulations are also in order to the surprising number of students who managed to get in to the public proceedings. The ingenuity of a Tech man seems to work, legally or otherwise, toward getting him where he wants to go.

Lecturers - 4

The freshman comments on their Physics lecturers, as taken from the report of the Student Committee on Educational Policy:

Prof. Ingard: Knows exactly what he wants to say and gets it across. His lectures are a pleasure to attend. It's nice to have a lecturer who knows and can explain the subject, and who is friendly to the students. Spoke well, covered material slowly but clearly and thoroughly. Often illustrated principles by use of demonstrations. Prof. Ingard does an admirable job of presenting the material clearly and with interest and enthusiasm. His lecture techniques such as speech, demonstrations, and blackboard work are superb. There is an indescribable interest generated between student and lecturer. Presentation differs little from the text.

Prof. Kraushaar: Does not speak loudly enough, use of microphone encouraged. Excellent presentation and demonstrations of material. Very graphic, leading to high retention. Develops and presents material at a very desirable pace. Sometimes does not state object of proof, at the beginning. Excellent organizer, illustrator, stimulator. Amazing control of class's attention for such a quiet man. Able to convey interest of subject to class.

Prof. Lazarus: Shows a different point of view from book (desirable). Very interesting and well organized. Perhaps too highly mathematical with little real physics sense or practicality brought in. Demonstrations excellent. Should concentrate more on problems and concepts than on theoretical proofs. Sometimes showed trouble relating and tying-in of various concepts. Stimulates thinking. Reviews work from previous lecture.

8.01 in general: I feel 8.01 would be a better course with more lectures, covering the same material, plus someone who will always be able and willing to explain any problem to any freshman who doesn't understand it. Frequently the solutions on the board are wrong or hard to understand and there frequently is no one who

can effectively explain them. Faults in physics exams: either you are born with the kind of ability that enables you to solve them or you are not. Exams sometimes test "quizmanship" rather than knowledge of fundamentals.

Special sections might be created for students who have taken PSSC physics. Laboratories could be improved if more emphasis were placed on the student's development of good techniques and tedious calculation removed. Lab instructors have often not seen the lab sheet previous to the date of the experiment. A one hour "briefing session" the previous week would enhance a student's comprehension. Material covered should be related to that studied in lecture and the problems—then a student could intelligently devise his own experiment and report on it—a much more useful thing than the present "bible-from-year-to-year" reports, that allow no room for display of interest or imagination.

The above is the final installment of the report of SCEP compiled from the freshman questionnaires. *The Tech* has published this as an experiment to see if the departments might be bestirred into doing something about their teaching. The reaction of a portion of the faculty to the report has been one of belligerency; and resentment that students would dare to undertake to criticize their instructors. Perhaps when tempers have cooled, and some of the initial shock has been forgotten, people will begin to see what we have been attempting to do.

The SCEP report has admittedly, some very serious shortcomings. The report does not represent the opinion of one hundred percent of the class, and it certainly lacks background information on the students who responded; certain of the comments are inevitably taken out of context. For better or worse however, this is what a large proportion of the freshman class thinks of its instructors. The instructors may discount it as much as they wish, or dismiss it as wholly irrelevant nonsense. Nevertheless, as was stated by *The Tech* Editor James R. Killian '26 in the issue of November 15, 1925, with regard to the *Harvard Crimson* course criticisms, "Probably the criticism itself was of little value to the student body, however, the underlying principle of undergraduate criticism is of some importance."

It has been claimed, that public criticism merely sours faculty-student relations, and that if criticism is to be levelled, it should be made known only to the instructors involved, under the theory that each instructor will take it to heart and do something about improving himself. It is precisely the good instructors, the conscientious instructors, who will make the effort to implement the comments they receive. The poor instructor, the instructor who is just plain not interested, is usually the one who most needs criticism and the one least likely to respond to it. The ability to teach is simply something that not everyone has; some instructors do need specific help. Perhaps if their colleagues are aware of what the instructor's students think of him, course assignments can be changed, or specific teaching pointers given.

The Institute apparently has a rule that all faculty members must teach; perhaps this rule ought to be changed to allow a man patently incapable of communicating with a class to be relieved of his teaching duties. He might then still remain a part of MIT if his other talents are such to warrant it.

It is simply not human nature for a group of students to go to their instructor and say, "let's talk about your teaching," as has been suggested. There must be some kind of impersonal line of communication between, instructors and department heads and the students. *The Tech* has attempted to provide such an impersonal communication line by publishing the report. Perhaps the printing of student comments in the newspaper is not the best means in the world of making opinion known. It is, however, better than no means at all, as has been the case.

The best solution to the problem would be for the departments to set up an explicit means to relay student opinion; in the absence of such apparatus, the only solution is to do as *The Tech* did, and actually publish the results of a poll. We have no plans at present for continuing the practice in the hope that the departments will do something on their own.

The entire matter of student criticism of lecturers can now be laid temporarily to rest in the belief that the passage of time will bring about a measure of change in evaluation techniques. Hopefully, there will be no need for *The Tech*, or any group on campus to feel that it needs to undertake to assume a faculty responsibility: that of finding out if the students think they are being well taught.

Letters:

To the Editor:

On the recent furor over the tactics of the House Un-American Activities Committee, I would like to add a comment. It is alleged that anyone who criticizes the committee, regardless of their reasons, is called before the committee and branded a communist. The allegation continues, "The purpose of the committee is to get ideas on necessary legislation, and its attacks on individuals serve no legislative purpose."

An example cited by the critics is that of Frank Wilkinson, who traveled ahead of the committee and distributed literature and led rallies protesting against the committee. The committee subpoenaed Wilkinson. He refused to answer any questions of the committee, even procedural questions such as his address. After being asked about alleged communist affiliations he proceeded to attack the legality of the committee and its right to question him. Wilkinson was convicted of contempt of Congress, and his conviction was upheld by the Supreme Court. Justice Black, in his dissenting opinion, stated:

"The very foundation of a true democracy and the foundation upon which this nation was built is the fact that the government is responsive to the views of its citizens, and no nation can continue to exist on such a foundation unless its citizens are wholly free to speak out fearlessly for or against their officials and their laws."

The Black dissent misses the point. Nobody is trying to restrict freedom of speech and

petition. The committee subpoenaed Wilkinson to find out the reasons for his criticisms. If his criticisms are legitimate and on the level, why can't he voice them before the committee. Constructive criticism before the committee might lead to changes that will alleviate objections or improve the committee's performance in developing needed legislation.

Probably a lot of Americans could make constructive criticisms of the committee and thus help it fulfill its legislative objectives. But, if they are so touchy about the committee's infringements on their rights with questions about their political sympathies, the committee must dismiss them as namsy pamsy or pro communist. Why should the committee accept blatant charges from someone who refuses to deny connections with unamerican activities? What good is the testimony of a person who says you are terrible and illegal but won't tell you why he thinks so?

Raymond M. Johnson '61

To the Editor:

I am currently a sophomore here at MIT; next year I will have an opportunity to purchase my class ring, the "Brass Rat". I believe that this ring is, without a doubt, the worst looking college ring that I have ever seen. I am sure that many of the members of the class of '63 agree with me. Therefore, I propose a referendum in which the members of the class of '63 (or the entire under-graduate body) would have an opportunity to express an opinion on this question.

It's time for a change!
 A Sophomore
 (Name withheld on request)

Kibitzer

By Elwyn R. Berlekamp '62

Today's hand is taken from the Intramural Team of Four Bridge Tournament which has been going on for the past month. Originally 16 teams entered the contest in four different leagues, Baker House A, Baker House B, East Campus and NRSA all won their respective leagues without difficulty and are now engaged in the final playoffs which will be completed on April 19, Patriot's Day. The hand above was played in the preliminary rounds of the finals between East Campus and NRSA.

The bidding was slow and deliberate. Holding the North cards, the NRSA player let his singleton club sway him into taking the 1NT out to two diamonds, an inferior contract which can easily be set. East Campus, however, played the hand at 1NT.

The three of clubs was the opening lead to East's king. East returned the club ace and declarer's fate hanged on his discard from dummy. Most novices would probably throw a spade, because this suit looks the most worthless, or perhaps a heart, because the length in this suit is in the South hand rather than the North. But an analysis of the matter reveals that the opponents have six tricks (four clubs and two spades) off the top which they can cash at their leisure. Consequently any attempt to set up the diamond suit (even if it should be luckily divided three-three) is equivalent to surrendering the setting trick. Discarding hearts only reduces previous entries to the closed hand, and therefore the only good discard from dummy at trick two must be a small diamond.

At trick three East wisely increased declarer's problems by shifting to a heart. The new temptation was to try the "free" finesse of the ten, but

North			
♠	Q 10 9 5		
♥	A 7 5		
♦	A K 7 6 4		
♣	7		
West	East		
♥	J 7 3	♠	A K 6 2
♥	J 9 6 2	♥	8 4
♦	Q 8	♦	J 10 3 2
♣	Q J 4 3	♣	A K 5
South			
♠ 8 4			
♥ K Q 10 3			
♦ 9 5			
♣ 10 9 8 6 2			
Bidding:			
North	East	South	West
1♦	Pass	1♥	Pass
1♥	Pass	1NT	All Pass

this play also would have caused defeat of the contract. South wisely took the king and made his best play for the contract by leading the eight of spades for a finesse against West's jack. West could defeat the hand by covering, but he ducked the trick around to East's king. East returned another heart and again South had to decline the temptation to try the ten. After winning with the queen he led the spade four, finessing the nine which was permitted to hold. South then correctly read the spade situation and dropped West's jack with dummy's queen. The defense took the spade ace and two clubs, but dummy parted only with losing diamonds, retaining four winners to cinch the contract.

Rare indeed is the no trump contract which can be made only by establishing tricks in the partnership's weakest suit. However when the other suits cannot be attacked without destroying entries or surrendering the setting tricks, the process of elimination shows this to be the best course of action.

Tau Beta Pi Elections Honor 99 Engineers; 14 Are Undergrads

Tau Beta Pi, the national engineering honorary, recently announced the election of new members. Seniors selected were Harold P. Baya, David S. Breed, Shu-Kwan San, Jon A. Clemens, Edward Devlin, Jr., Reed H. Freeman, Joseph L. Gagan, Jr., Ahmad F. Ghais, Bernard A. Goldhirsch, James M. Gross, John T. Herget, Yukikazu Iwasa, Earl Josephy, Edward Kresch, Brian Mravic, Fernando Navas Mutis, Robert A. Pease, Claude R. Phipps, Jr., Dennis H. Pruslin, Allen K. Ream, Richard J. Resch, Alexander G. Ross, Richard B. Slifka, Gerald F. Staack, Nelson E. Stefany, Kiichiro Tanabe, Ronald R. Thomson and Sanford G. Weiner.

Among the members of the class of '62 named to membership were Constantine E. Adractus, Carl D. Andrysiak, Robert T. Bartelemy, Elwyn R. Berlekamp, Thomas Brydges, Phillip E. Cassidy, Dennis L. Cogswell, David J. Coker, Jon A. Davis, Robert F. Duff, Jr., Dean E. Eastman, James R. Ellis, Jr., Robert S. Fabry, Albert J. Giramowti, Robert J. Gladstone, Jeremy R. Goldberg, Thomas J. Greytak, Thomas O. Holtey, William H. Jackson, Jr., Joseph W. Kelley, Jr. and Randall H. Kunz.

Other juniors were William S. Levine, Michael A. Lieberman, Douglas H. Loescher, Alan L. Loss, Jon C. Luke, Charles W. Niessen, Jimmy K. Omura, Michael F. Parlamis, Barret B. Roach, Stephen C. Root, Earl R. Ruiter, Philip A. Ruziska, Murray B. Sachs, Allan L. Scherr, Paul R. Schroeder, Francisco Sosa, Douglas W. Steele, Norman D. Strahm, Imad Taher, Peter E. Thurston, Coyette C. Tillman, Jr., Juri Toomre, Lawrence D. Turner, Firouz Vakil and John S. Yuan.

Graduate students elected to the honorary were Lincoln Clark, Jr., Henry Cox, Richard S. Dougall, Thomas A. Eyre, Richard G. Gilchrist, Ralph C. Hill, Albert J. Impink, Thomas Kailath, Thomas G. Kincaid, Leonard Kleinrock, Charles E. Masalin, Byed A. Meer, Harold H. Otto, Edwin L. Parker, Bradford W. Parkinson, John C. Peak, Lucio Pontecoruo, A. Edward Profio, David R. Scott, Suhas Sukhatme, Richard L. Thomas, Kunihiko Uematsu, Ian B. Wall, Richard E. Willes and Edward G. Ogden.

At 88.1 Megacycles

WTBS Starts Broadcasting On FM

WTBS, Boston's newest non-commercial FM station, began broadcasting Monday, April 10. On hand for the ceremonies were Dr. Julius Stratton, Dean John T. Rule, Prof. Houlder Hudgins and Station Manager Lewis M. Norton, all of whom spoke on the air. This dedication represents the formal opening of MIT's student-run FM radio station.

Up until this time WTBS has existed only on campus, using a closed circuit carrier current system (audio lines and very short range AM, 640 kc). With

the new transmitter, the estimated range is at least 10 miles, which will reach all the MIT fraternities. The closed circuit AM system will be continued.

As well as most of the regular programs, the FM station will carry a special educational series, weekdays from 5 to 6, featuring plays, lectures, interviews and some of the recent Centennial events.

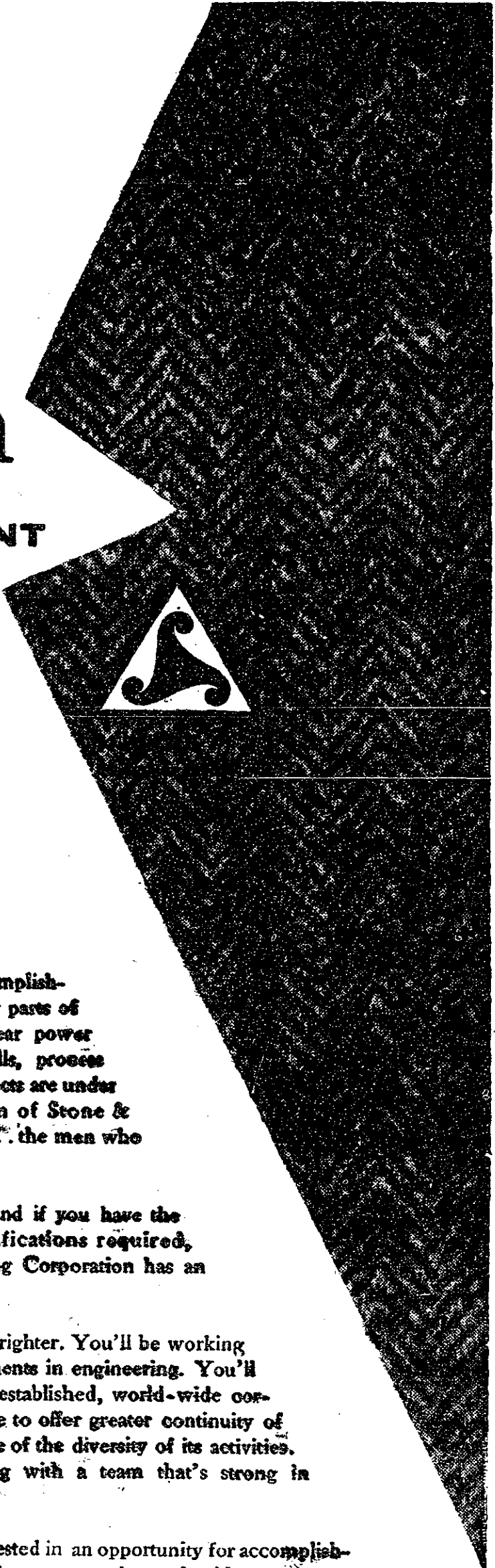
Classical music guides as well as program schedules are available by writing Box 565, 3 Ames St., with a stamped, self-addressed envelope.



— Photo by Boyd Estus '63
President Stratton and Station Manager Lew Norton.

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The BLUE ANGEL
with Marlene Dietrich Emil Jannings

'The Blue Angel'
German Film Plays At Telepix
The original version of "The Blue Angel" starring Marlene Dietrich and Emil Jannings is now playing at the Telepix Cinema. The story is taken from Heinrich Mann's pre-war novel of German Bourgeois society, which was made into this movie in 1930.

"The Blue Angel" has been made in a more recent version starring May Britt, but the Marlene Dietrich version is a much more stirring dramatization of the destruction of a well-respected man. Emil Jannings plays the role of Professor Immanuel Rath, a teacher in a high school in a German town. He becomes aware that his pupils are spending a good deal of their free time at the local show-place (The Blue Angel) watching Lola Lola (Marlene Dietrich). In an attempt to discourage his students from wasting their time so frivolously, the professor meets Miss Lola Lola.

The relationship between Herr Rath and Fraulein Lola is discovered by the professor's students, and as a result he is released from his duties as an instructor. Professor Rath marries the dance-hall singer and begins a grotesque life tramping around to various German cities with Lola Lola's troupe. Eventually, the poor man (who is by now past his prime, declining) becomes a clown with the group and becomes further downtrodden by Lola Lola.

The final scenes of the film depict the old professor becoming a madman as a result of being forced onto the stage as a buffoon in his own home town. He goes berserk and attempts to kill his wife, but is quieted by the other performers. The old man returns slowly and quietly in the middle of the night to his old classroom to die at his desk. Lola Lola continues her life as before, not even caring about any of the men's lives she has ruined.

For something different, the film is worth seeing even if you have to read the English subtitles to understand the action. It would be interesting, also, to see the more recent version for the purpose of comparison.
—Kraig W. Kramers, '64

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BU Theatre Presents
Lorca's 'Yerma';
Kass Directs Play
The Boston University Theatre will present Federico Garcia Lorca's "Yerma" on May 4th, 5th, and 6th as its fourth and final production in this year's "changing role of the hero" series offered by the division of theatre arts of the University's School of Fine and Applied Arts.

New York Director Peter Kass will stage the poetic tragedy as a visiting professional director from the University's Council of Participating Directors. Mr. Kass, who has previously mounted four stage productions at Boston University, is noted for his direction of "Night Music," "The Country Girl," "The Philadelphia Story" and many others. His productions for the University were Arthur Miller's "The Crucible," David Rayfiel's "Playstreet," Anton Chekhov's "The Sea Gull" and Clifford Odets' "Flowering Peach."

"Yerma" is one of Garcia Lorca's three major tragedies, less frequently produced than "Blood Wedding" and "The House of Bernarda Alba." It is the story of a barren woman yearning for children, evolving into a hatred mounting to violence.

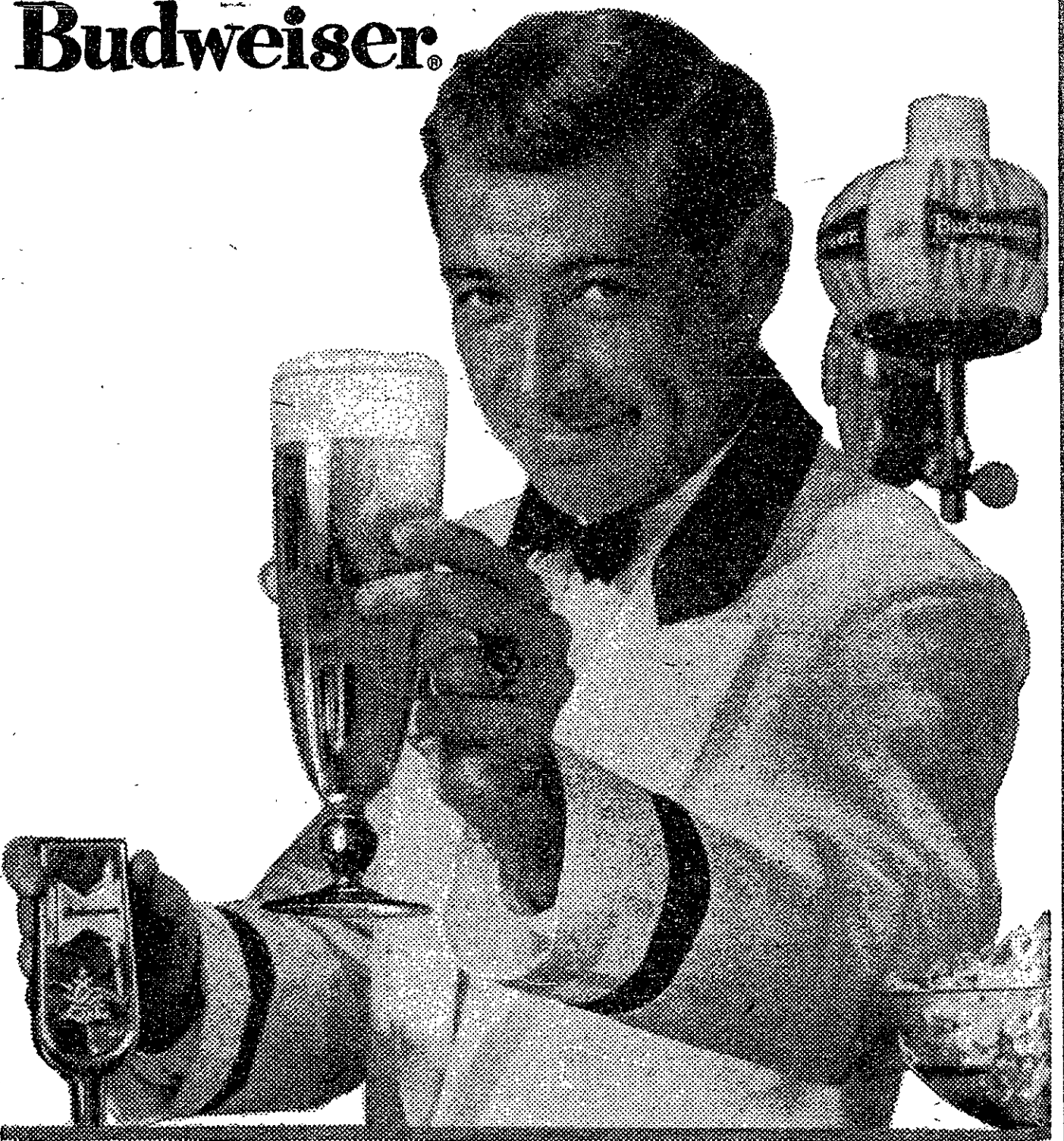
Previous heroes examined in the BU series have been Sophocles' "Oedipus Rex," Marlowe's "Doctor Faustus," and Ibsen's "Brand," presented in a new adaptation by James Forsyth. The analysis of "Yerma" will conclude the series, which has run for several months.
Kraig W. Kramers '64

Hayden Planetarium
Plans Lecture Show;
'Giant Worlds Of Ice'
After one of the severest winters ever recorded in New England, visitors to the Charles Hayden Planetarium at Boston's Museum of Science might feel better knowing there are a lot colder places in the universe. The Planetarium's show which began April 4 tells about them in "Giant Worlds of Ice."

These so-called icy worlds are the distant planets in our solar system, so far away from the sun that a glass of water standing outdoors on one of them would freeze instantly. During each 45-minute lecture-demonstration, the Planetarium visitor is taken on an imaginary rocket trip through space, stopping off at faraway frozen planets like Jupiter, Uranus, and Neptune. Without moving from his comfortable arm chair, he zooms in on the ringed planet Saturn, and jets through its poisonous upper atmosphere. In addition, the Planetarium lecturer points out well-known constellations seen in Boston at this time of year and tells some of the little known myths connected with them.

"Giant Worlds of Ice" will continue at the Hayden Planetarium through July 2. Daily showings are scheduled on Tuesdays through Fridays at 11 a.m. and 3 p.m.; Saturdays at 11, 2, and 3:30 p.m.; Sundays at 1:30, 2:45, and 4 p.m.; and Friday nights at 8 p.m. If the weather gets too warm for you (and the lectures too tiring), cool off (and relax) in air conditioned comfort watching the Planetarium's "ice" show.

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College World

By Toby Zidle '63

A new sport may come into existence at Northeastern University. A number of students there are trying to gain official recognition for the Sport Parachute Club. Sport parachuting has become an internationally recognized sport, being also an official Olympic sport. Contests are judged on both individual and team performances. The chutist attempts to land on a certain predetermined spot and his performance in the air determines his points. Supporters of the club point out that insurance companies rate sport parachute jumping as four times safer than skiing.

Other New England colleges with active parachuting clubs include UMass, Williams, and Yale. All these clubs are under the guidance of the New England Intercollegiate Sport Parachute Club of America.

Student Petitions

Students at Mount Holyoke College are circulating two petitions calling for changes in the academic calendar. The first petition calls for the establishment of a reading period preceding final examinations. At present, the exams follow immediately after the last day of classes. Over 800 signatures have already been obtained in favor of a reading period. The second petition requests the establishment of a trimester system to replace the presently-used semester system. Backers of this plan point out that the trimester system has been found highly successful at Dartmouth and at Goucher.

Teaching Machines

Teaching machines were the subject of a recent lecture and demonstration at Springfield College. Dr. John Martin of the Psychology Department of Harvard demonstrated the Rheem-Califone Teaching Machine developed at Harvard.

Among the subjects already adapted for machine instruction are poetry, languages, music theory, and mathematics. The

subject matter is broken into bits of knowledge and presented to the student in simple statements, repetition, and variation of words.

The subject program is printed on a reel of paper and displayed one frame at a time through a small window in the machine. The student writes the brief answers on a separate reel of paper exposed through a window on the opposite side of the machine. By pulling a knob he uncovers the correct answer and goes on to the next frame.

Program reels are used many times. Each wrong answer produces on the back of the program a smudge that shows which sections give the student the most trouble. The creators of the machine feel that eventually all subjects will be adapted for programming on the reels.

Professor Arrested

The Chicago Maroon (Univ. of Chicago) reports the arrest of a professor of chemistry at Northwestern University. The crime? Riding a bicycle. The professor was riding his bicycle back to his office after lunch when a policeman arrested him, called a paddy-wagon for the bicycle, and took the professor to the police station. It seems the professor had violated a 1958 ordinance prohibiting bicycling on certain streets.

The professor said that he had been riding on that street for twenty-seven years and had seen no signs prohibiting bicycling. When asked about the absence of signs on the street, the city traffic engineer replied, "We put some up about a year ago but somebody stole them."

Sympathetic professors and students are starting a defense fund for the chemistry professor. Signs up on the Northwestern campus indicate that a student bicycle parade will go down that street on the day the professor goes to trial.

Museum Of Fine Arts Announces Exhibitions

The Museum of Fine Arts, Boston, announces a new program of exhibitions, lectures and special events. New exhibitions such as "Photography at Mid-Century" (through April 30), "Ships and Sailing" (a print collection running through the end of April), and assorted lectures, gallery talks and events replace the features, "Art Treasures of Thailand" and "The Passion" according to Martin Schongauer.

"Photography at Mid-Century" is an exhibition organized by the George Eastman House of Rochester, New York, celebrating the 10th anniversary of its opening as a museum of visual expression and interpretation and represents what 93 photographers of the 1950's themselves consider their best work. Through this collection, viewers will meet relatively unknown photographers as well as those established internationally.

Dramashop Schedules Bernard Shaw Plays

"Androcles and the Lion," George Bernard Shaw's comic drama of the early Christian persecutions in Rome, will be presented by the MIT Dramashop at the Little Theatre, Kresge Auditorium, opening Wednesday, April 26 at 8:30 p.m., and continuing through Saturday, April 29.

Another of Shaw's plays, "Great Catherine," will also be presented as part of the Centennial production. The two plays will be directed by Joseph D. Everingham, with costumes designed and executed by Mrs. Helen Bottomly who recently designed the academic regalia for the Marshals of the MIT Centennial celebration.

APO College Bulletin:

BC To Host Goldwater

On May 2 at 8 p.m. the Boston College Law School Forum will present Senator Barry Goldwater of Arizona, who will speak on the topic, "The New Frontier Is the Same Old Deal." The Forum will be held in the Roberts Centre on the Boston College campus in Chestnut Hill and will be open to the public. Tickets can be obtained at the door or, before May 2, at the Law School. Admission is \$1 per person, reserved seats \$2.

Senator Goldwater, leader of the conservative wing of the Republican party, is a critic of the present administration's policy and philosophy. He is also the author of the best-seller *Conscience of a Conservative*. This is a good opportunity for the conservatives of MIT who missed Senator Goldwater here to see him. The liberals of MIT will have the opportunity of attacking the senator in a question and answer period after his address.

Also at Boston College, as part of the 25th anniversary of the School of Social Work, the Rev. John P. Rock, assistant professor of philosophy at Boston College, will deliver a lecture on April 27. He will speak on "Existentialism and the Social Ethic." The lecture, which will be free, is open to the public.

BU Field Day

For those who would rather spend the day out of doors, Boston University will hold its Field Day on Saturday, April 22. While Field Day will include

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Howard Hillman, Student Rep.

LA 3-6100

Other Flights: Chicago & Florida

a BU Varsity-Alumni football game and the crowning of "Miss BU," the main feature of the day for MIT students will be a crew meet between Boston University, MIT and Columbia taking place on the Charles.

Miss BU is chosen by the BU campus newspaper, the BU News, in its Terrier Titlist contest. She will be crowned this year during halftime of the football game, which will be held under the lights. Admission to Field Day is \$1 for the public.

For Those Who Like to Travel

On the evenings of April 27-28 and May 5-6, at 8:30 p.m., the curtain will go up on a production of "Stalin Allee," a modern comedy set in East Berlin. Tickets to the show, which promises to be quite a take-off on modern spies, counterspies and counter-counterspies, can be obtained for \$1.25 by calling SK 2-1000, extension 249, at the University of San Francisco.

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President Kennedy Congratulates MIT In A Centennial Message

The following is a statement pre-recorded by President John F. Kennedy and heard by guests at the MIT Centennial Banquet at the Statler Hilton Hotel, April 8.

"It is a source of great satisfaction to me as a resident of Massachusetts and as President of the United States to join in saluting the Massachusetts Institute of Technology on its hundredth anniversary. MIT began as an institution designed to serve the needs of our society at an early stage of its industrialization. It is also a matter of pride that MIT, like the land grant colleges, was assisted in its early days by funds under the Morrill Act, passed during the administration of President Lincoln. As American society has developed, MIT, remaining loyal to its initial commitments, has also developed. From a school designed to train railway, mining and civil engineers, it evolved with the technical needs of our society into a great scientific university. More than that, it accepted the fact that modern science must bring its results to bear in a human setting, and it has developed its study of men and societies.

"Finally, it recognized that the needs of the United States involve the United States not only as a nation but as part of the world community. The men of MIT (and two of them now serve on the White House staff—Prof. Wiesner as the Scientific Advisor to the President, Prof. Rostow as an assistant on international security matters); these men and others have made striking contributions, not only to national security but also to the cause of economic development and to the cause of arms control and disarmament and peace.

"We live at a time when the old international tradition of the university is uniquely important. The western universities originally derived their international tradition from their

connection with the church. They now derive it because the world of ideas and the world of science are essentially international. If we are to produce the kind of world required for the safety and well-being of the human beings who live in it, we must build on this international tradition. We must develop a community of view not only among the world scientists but among the world planners for economic development; among its disarmament planners and among all those who recognize the interrelationship of the human race. Above all, we must learn as national societies what the scientists already know—that the relations among men and nations in the end must be as open as the relations now are between men of science.

"It is with great satisfaction that I greet the men of MIT. I am confident that the next hundred years will see them serving not only this country but also all men who believe in progress and freedom."



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DEAR DR. FROOD:

DR. FROOD'S THOUGHT FOR THE DAY: *A little learning can be a dangerous thing—especially in a multiple-choice exam.*



DEAR DR. FROOD: I have calculated that if the population explosion continues at its present rate, there will be a person for every square foot of earth by the year 2088. What do you think of that?

Statistics Major

DEAR STATISTICS: Well, one thing's sure, that will finish off the hula-hoopers—once and for all.

DEAR DR. FROOD: I have been training our college mascot, a goat. He has learned how to open a pack of Luckies, take out a cigarette, light up and smoke. Do you think I can get him on a TV show?

Animal Husbandry Major

DEAR ANIMAL: I'm afraid not. To make TV nowadays, you've got to have an act that's really different. After all, there are millions of Lucky smokers.

DEAR DR. FROOD: I am a full professor—and yet I stay awake nights worrying about my ability to teach today's bright young college students. They ask questions I can't answer. They write essays I don't understand. They use complicated words that I've never heard before. How can I possibly hope to win the respect of students who are more learned than I am?

Professor

DEAR PROFESSOR: I always maintain that nothing impresses a troublesome student like the sharp slap of a ruler across his outstretched palm.



DEAR DR. FROOD: You can tell your readers for me that college is a waste of time. My friends who didn't go to college are making good money now. And me, with my new diploma? I'm making peanuts!

Angry Grad

DEAR ANGRY: Yes, but how many of your friends can do what you can do—instantly satisfy that overpowering craving for a peanut.



DEAR DR. FROOD: Could you give a word of advice to a poor girl who, after four years at college, has failed to get herself invited on a single date?

Miss Miserable

DEAR MISS: Mask?



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Tech Spring Sports Open Season With Mixed Success

Tennis Team At 1-6

MIT's varsity tennis team opened its season during spring vacation by journeying to warmer climates. In the first match of their tour through Virginia and North Carolina, the MIT netmen posted a win over VPI but from then on they found the going a bit rough as they lost successively to North Carolina U., North Carolina State, Byrd Park Tennis Club, and Georgetown.

Upon returning to their home courts, MIT faced a highly regarded Harvard team on April 12. Here again Tech came out on the short end of a 7-2 score. Bent Aasnaes '63, playing first singles, and the combination of Aasnaes and Captain Bob Palik '61, in the first doubles, recorded MIT's two points.

Last Saturday the Tech men bowed to Williams College by a score of 10-1. The Beavers' only point was won by Palik, playing second singles. Al-



photo by Conrad Grundlehner '64
Tech tennis Captain Bob Palik '61 in action last Saturday against Williams. Palik scored the only

point for MIT, as the Engineers were outclassed, 10-1. though the team has gotten off to a bad start, they are hoping to better their record in a match against Bowdoin at home on Thursday.

In their only match to date, the freshman tennis team has beaten Brown-Nichols Prep by a score of 10-2.

Baseball Wins Three; Lose Only To Stevens

The varsity baseball team started the year with a 3-1 record on their spring trip. Adelphi, Howard and Hopkins were beaten as we lost only to Stevens. These pre-season games showed up some promising players for the '61 season. Dale Gladding '62, a transfer student, has been doing a great job of fielding at shortstop, and is hitting in the high .300's. He was an all-star third baseman at Pomona last year. Larry Demick '63, a welcome addition from last year's freshman team, also is hitting in the .300's. The pitching situation looks good with Mickey Haney '62, last year's mainstay, returning in great shape. Harold Branson '63 is looking good on the mound if he can get rid of his arm trouble.

Back in Cambridge, the first three games of the season were rained or snowed out.

Cindermen Bow, 83-51; Co-captains Stand Out

Co-captains George Withbroe '61 and Don Morrison '61 were the outstanding performers for the varsity trackmen last Saturday as the cindermen were downed by Williams 83-51 at Williamstown. The yearlings also bowed 78-48. It was the first meet of the outdoor campaign for both squads.

Morrison was high scorer of the meet with 13 points via firsts in the pole vault and broad jump and second in the 100-yard dash. After sprinting the first quarter in :59, Withbroe took the lead at the 500-yard mark of the 880-yard run and held it to win with a 1:58.7 clocking, despite a soggy, rain-soaked track. Harry Demetriou '63 came from behind to cop the 220 in :23.1 after a :51.4 third place effort in the 440.

Jim Flink paced the frosh with a triple win in the 100-yard dash, high and low hurdles. Other winners were Bill Remsen in the shotput and Jerry Dassel in the hammer throw.

Both varsity and freshman celebrate Centennial Weekend with triangular meets on Saturday. The varsity faces Tufts and the University of New Hampshire, while the yearlings meet Tufts and Andover Academy.

Lacrosse Tops Union; Bows To Three Others

Tech's lacrosse men opened their season April 6 by losing an exhibition game, 7-2, to an all-star British team from Oxford-Cambridge. Then they began the regular season by dropping Union, 5-3, followed by losses 13-1 to Harvard and 7-3 to Adelphi.

Captain Joe Skendarian, '61, was the outstanding Tech player in the first game, scoring two goals in a losing cause against the Englishmen.

In the official season opener the Tech men traveled to Union April 8. Union drew first blood and fired in two goals to hold a 2-0 lead early in the second period. The Engineers responded with markers by John Lamberti '63, Jim Poitras '62 and Skendarian to gain a 3-2 half-time edge. In the second half Skendarian tossed in two more while Union netted one to bring the final tally to 5-3.

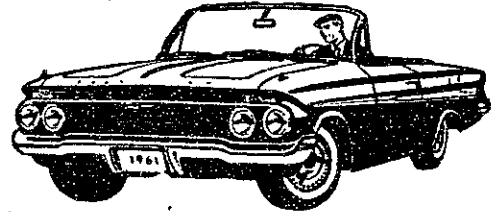
In the Harvard game Skendarian once again provided the Tech scoring punch as he fired in the first goal to give Tech a 1-0 lead. The mighty Crimson, however, proved too much for the Engineers as they went on to win, 13-1.

Saturday, Adelphi visited Briggs Field and came away with a 7-3 victory. The Engineers didn't manage to crack the scoring column until the fourth period.

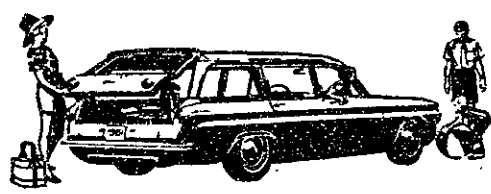
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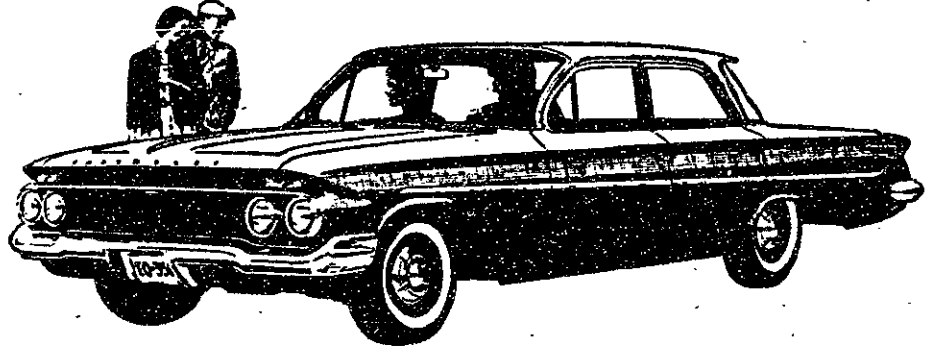


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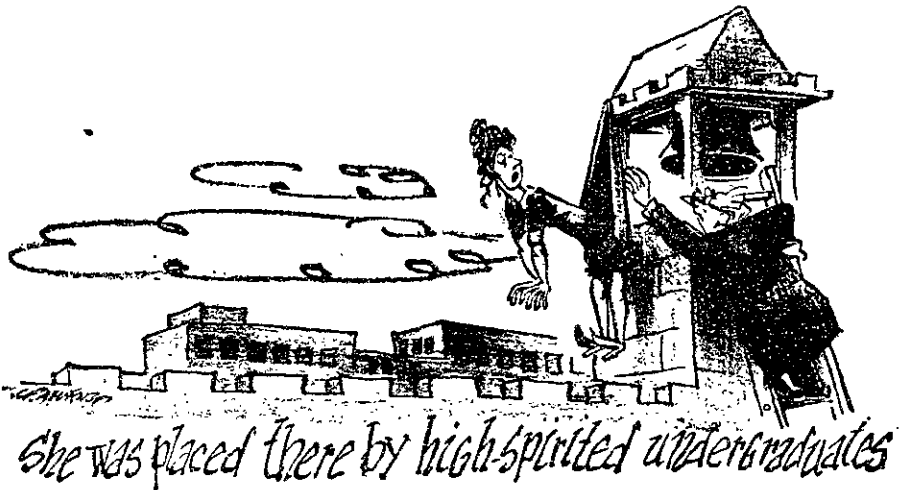
THE DEAN YOU SAVE MAY BE YOUR OWN

Now in the waning days of the school year when the hardest heart grows mellow and the very air is charged with memories, let us pause for a moment and pay tribute to that overworked and underappreciated campus figure, your friend and mine, the dean of students.

Policeman and confessor, shepherd and seer, warden and oracle, proconsul and pal, the dean of students is by far the most enigmatic of all academicians. How can we understand him? Well sir, perhaps the best way is to take an average day in the life of an average dean. Here, for example, is what happened last Thursday to Dean Killjoy N. Damper of Duluth A and M.

At 6 a.m. he woke, dressed, lit a Marlboro, and went up on the roof of his house to remove the statue of the Founder which had been placed there during the night by high-spirited undergraduates.

At 7 a.m. he lit a Marlboro and walked briskly to the campus. (The Dean had not been driving his car since it had been placed on the roof of the girls dormitory by high-spirited undergraduates.)



At 7:45 a.m. he arrived on campus, lit a Marlboro, and climbed the bell tower to remove his secretary who had been placed there during the night by high-spirited undergraduates.

At 8 a.m. he reached his office, lit a Marlboro, and met with Derther Sigafoos, editor of the student newspaper. Young Sigafoos had been writing a series of editorials urging the United States to annex Canada. When his editorials had evoked no response, he had taken matters into his own hands. Accompanied by his sports editor and two copy readers, he had gone over the border and conquered Manitoba. With great patience and several excellent Marlboro Cigarettes, the Dean persuaded young Sigafoos to give Manitoba back. Young Sigafoos, however, insisted on keeping Winnipeg.

At 9 a.m. the Dean lit a Marlboro and met with Erwin J. Bender, president of the local Sigma Chi chapter, who came to report that the Deke house had been put on top of the Sigma Chi house during the night by high-spirited undergraduates.

At 10 a.m. the Dean lit a Marlboro and went to umpire an intramural softball game on the roof of the law school where the campus baseball diamond had been placed during the night by high-spirited undergraduates.

At 12 noon the Dean had a luncheon meeting with the president of the university, the bursar, the registrar, and the chairman of the English department at the bottom of the campus swimming pool where the faculty dining room had been placed during the night by high-spirited undergraduates. Marlbors were passed after lunch, but not lit owing to the dampness.

At 2 p.m., back in his office, the Dean lit a Marlboro and received the Canadian minister of war who said that unless young Sigafoos gave back Winnipeg, Canada would march. Young Sigafoos was summoned and agreed to give back Winnipeg if he could have Saskatoon. The Canadian minister of war at first refused, but finally agreed after young Sigafoos placed him on the roof of the mining and metallurgy building.

At 3 p.m. the Dean lit a Marlboro and met with a delegation from the student council who came to present him with a set of matched luggage in honor of his fifty years' service as dean of students. The Dean promptly packed the luggage with his clothing and Marlbors and fled to Utica, New York, where he is now in the aluminum siding game.

© 1961 Max Shulman

To the dean of students and all you other hard-working academic types, here's the new word in smoking pleasure from the makers of Marlboro—king-size unfiltered Philip Morris Commander. Welcome aboard!

Skov Meet The Coaches Frailey

"Sometimes I wonder why I stick it out day after day," mused the 1959 varsity coxswain Arnie Olshaker after the annual pre-season banquet a few years ago, "And then down at workout I listen to him talk and it all seems worthwhile."

The object of Arnie's (and that of everyone out for lightweight crew) admiration and respect was the young coach of the 150 pound varsity, Val Skov. At that banquet, as at all of them, the highlight had been the "Skov joke", told in his quiet and unassuming manner, which brought down the house as usual. Jack Frailey joked last year, "I won't come here again if I have to speak after that guy!" Competing with Val on the speaker's rostrum is not an enviable task.

One of MIT's finest oarsmen in recent years, Skov stroked the light varsity for three years from 1953 to 1955, and was captain his senior year. Under the tutelage of the present head coach Jack Frailey and with the wit, determination and tremendous rowing ability of their stroke, the crew won the national championship in 1954 and a second place the following year. Both years Jack and Val also led their eight to victory in the Thames Challenge Cup competition at Henley, England, the World Series of rowing.

In 1956, his rowing eligibility used up, Val continued to work for his S.B. and S.M. in the five year electrical engineering course, in addition to coaching the lightweight freshmen. His first crew took second in the Eastern Sprints and consistently beat Harvard. After this convincing showing, Val was moved up to the lightweight varsity position and has been coaching there ever since, this being his fifth season.

Traditionally the dapper and carefree bachelor (or so it seems to the crew), Skov was married last fall, and his wife is affectionately known as "Mrs. Val" to the oarsmen. The coach is now working for Dunn Engineering Associates in a job which took him down to Cape Canaveral last week, overseeing the installation of equipment he had designed.

"Gather 'round," shouts the raspy voice of the little coxswain. The twenty or so hulking oarsmen assemble in front of the blackboard preparatory to the evening turnout. A few minutes earlier a dapper businessman carrying a briefcase had hurried into the Tech Boat-house and disappeared into the coaches' office. Now he comes into the group, wearing his customary red MIT jacket and fumbling in his pockets for the cigarets which are never there.

"Who's got a cigaret . . . Hey Manager! . . . Got a butt? Anderson, when will you start putting on weight? How's your arm, Dick? Who's got a joke . . . somebody tell a joke." And so begins another workout of the MIT

Heavyweight crew. In his third year as head rowing coach, Jack Frailey is dwarfed by his outsize oarsmen, but is the idol of every one of them. Frailey came to Tech in the fall of 1941 and went on to captain the lightweight crew for two years. The pressures of the war precluded 150 pound competition per se and Jack's crew had to be content with rowing in the junior varsity heavy race whenever they could beat our JV's in practice. "And we did it often," he reminisces.

Nine years after he graduated in the three year accelerated wartime program, Jack Frailey returned to Tech to coach the lightweight varsity in the fall of 1953. His stay then was short as it was glorious—during his two years of leadership the celebrated Henley crew was produced (see article on Coach Skov).

Fortunately for MIT rowing, Jack's absence from the boathouse was a temporary one, 1958 finding him back, coaching the heavyweight freshmen in the fall of that year. Head coach Frank duBois retired early in 1959 and Frailey took over the position he now holds. He has remained a constant inspiration and source of enthusiasm for all the men on the squad, a fact of more than passing importance in crew, a sport which relies so much on mental attitude.

Jack now lives in Concord, with wife Cynthia and their two young boys, and is currently employed as an engineer for the Itek Company.



Coach Jack Frailey photo by John Evlenberg '64

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Light Crew Begins Season; Heavies Open Saturday

Junior Varsity 150's Top Harvard Easily Varsity, Freshmen Crews Downed By Crimson

The MIT junior varsity 150 pound crew picked up the lone Tech victory as the Charles River rowing season was opened Saturday with eight races, in five of which MIT was represented.

Varsity, Freshmen, and third varsity shells bowed to their Harvard rivals, although all showed promise for a good season. The Crimson first boat, national champions and undefeated in the last three years, extended their winning streak to 32. Harvard has also won the Thames Challenge Cup in Henley, England three times in a row.

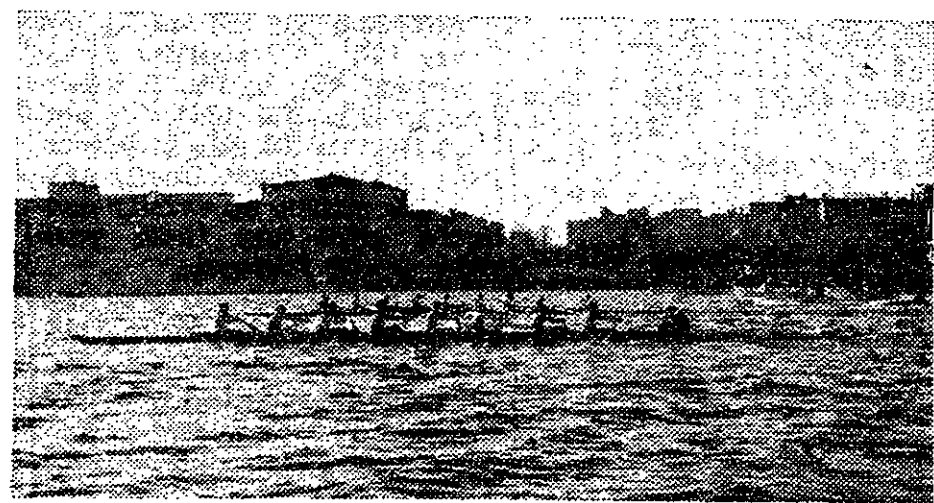
The JV victory was the first defeat of Harvard by a Tech lightweight crew in five years. The junior Beavers had no trouble with the Crimson, winning by about three lengths.

JV's Row at High Rate

Starting out at 42 beats per minute, the Tech JV's, stroked by Roger Rowe '62, the 1960 varsity stroke and captain of the '59 freshmen, and coxed by Bob Vernon '63, fought off an early challenge by the Crimson and won going away, as Rowe kept the pace up to a gruelling 35 compared to the 32 maintained by Harvard.

Desire Made the Difference

The spirited Techmen made up for their relative lack of size with determination and fire. Printed on each man's sweatshirt was the single word which seemed to describe best their performance—GUTS. Other members of the victorious eight were Steve Aldrich '63, #7, Dennis Buss '63, #6, John Lynch '63, #5, Loren Sompayrac '63 #4, Bror Hultgren '62, #3, Mike Greata, '63, #2, and Dick Resch, the lone senior in



MIT's freshmen lightweights, foreground, closing in on their Harvard rivals last Saturday on the Charles. The squads have just passed the mile mark, near the Sailing Pavilion. The Crimson stood off the Techmen's spurt and won by a half a length.

the boat, in the bow seat.

In preliminary races Harvard's second freshmen crew beat the Tech 2nd and 3rd frosh boats and the BU second freshman heavies swept past the 3rd varsity lightweights of Harvard and MIT.

All the times of the day were extremely fast because of a strong tail wind blowing directly up the 1 5/16 mile course, which begins at the Sloan Building and ends at the Boat-house. The best time was 7:03.7, turned in by the Harvard varsity. The Tech JV had the next best mark with a fine 7:06.2.

Season Outlook Good

Despite Saturday's loss, the Tech varsity has good prospects for a successful season in 1961. Only one man was lost through graduation, and even he, Captain Jim Allen '60, was not rowing in the first boat at the end of the season. Last year's entire varsity is back and Coach Val Skov also has a fine bunch of sophomores up from

Garry Zwart's freshman squad which was third in the nation in 1960.

As indicated by the JV victory, the varsity boat is definitely not set, and there are probably eight men out now who can produce a Harvard beater. Val's job—and a big one—find them.

Tie For First Place Goes To Debate Team

At the National Cherry Blossom Tournament in Washington, D. C., with 35 schools represented, the negative unit of the MIT varsity debate squad tied for first place. John Castle '63 and Steve Wanner '63 produced a 7-0 record, which tied with Holy Cross and Ohio State.

The affirmative team, with Ralph Grabowski '63 and George Bedell '61 debating together for the first time, managed a 1-6 record against the stiff competition.

Heavyweights Meet BU, Columbia

Saturday marks the opening of the 1961 season for the MIT heavyweight crews as they oppose BU and Columbia on the Charles. Tech oarsmen are given excellent chances to pick up a few wins against these two, which they have beaten consistently in recent years.

Frailey Has Problems

In his third season as head rowing coach, Jack Frailey will take into action a squad loaded with question marks. Can the three sophomores be equal to their varsity assignments despite their relative inexperience? Will Dick Millman's arms stay in good shape? The fiery junior now at number two in the varsity was sidelined all last season with strained tendons. Has the bad weather this spring significantly hurt the crew?

Hurt by Graduation

The squad will be affected by the absence through graduation of the fine class of '60 oarsmen—Dean Webber, stroke; Co-captain Don Morrison, No. 7; Irv Weinman, No. 5; Ed Neild, No. 4; Bill Peck, bow;

and the unforgettable co-captain and coxswain, Bill Anderson. Also missing from this year's eight are Will Taylor '62, who alternated with Neild in the varsity four seat, and Jed Engeler '62, who rowed a race at No. 3, neither of whom has come out this season.

Marks Still at Six

Returning are the gigantic "Lizard" Dave Marks '62, at 6'7" and 200 pounds, holding down his usual position in the "engine room" at No. 6 oar; Captain Chet Riley '62, rowing in the three seat with a year's varsity experience; and letter winner Mike Lawton '62 in the bow.

Sophomores Big Help

Rowing in the stroke and seven seats are the stern pair from last year's fine freshman eight, sophomores Chris Miller and Ron Cheek who led their squad to the first Tech victory over Harvard in four years and to second place in the country at the IRA national championships in Syracuse last June.

(Please turn to page 12)



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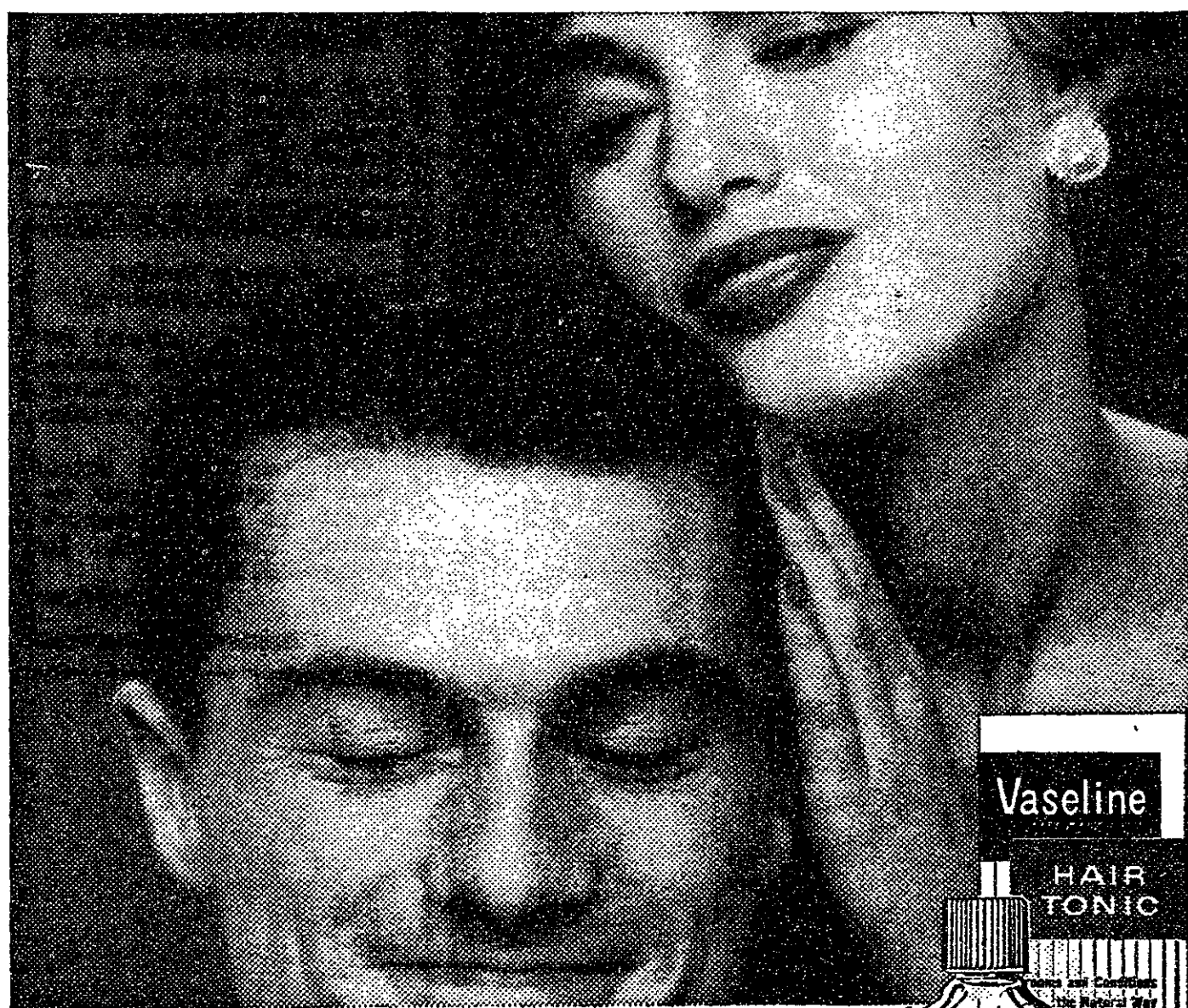
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 Tennis (F) with Governor Dummer 3 p.m.
 Track (F) with Governor Dummer 3 p.m.
Tomorrow, Thursday, April 20
 Baseball with Bowdoin 2:30 p.m.
 Tennis with Bowdoin 2:30 p.m.

Lacrosse (F) with Rivers Country Day School 3 p.m.
Friday, April 21
 Golf with Bowdoin, Springfield 1 p.m.
 Tennis with Colby 2:30 p.m.
Saturday, April 22
 Heavy Crew with Columbia, BU, on the Charles
 Light Crew vs. Yale, Dartmouth, at New Haven
 Golf vs. Williams, Colby, away
 Lacrosse with UNH 2 p.m.
 Lacrosse (F) at Harvard

Tennis at Wesleyan
 Tennis (F) at Harvard
 Track with UNH (V), Tufts (V&F, Andover (F)) 1 p.m.
 Baseball with Bates 2 p.m.
Tuesday, April 25
 Baseball with Tufts 2:30 p.m.
 Baseball (F) at Tufts
 Golf at Harvard
 Tennis (V&F) with Brown 2:30 p.m.
Wednesday, April 26
 Heavy Crew (F) with Andover
 Golf vs. Wesleyan, UConn, away
 Golf (F) at Governor Dummer
 Lacrosse at UMass
 Lacrosse (F) at Andover
 Tennis (F) with Andover 2 p.m.

Heavyweights To Race Saturday

(Continued from page 11)

Bill Weber '63, in his first full rowing season, has grabbed the No. 4 seat and will be getting his baptism-under-fire this Saturday.

Rounding out the varsity are lanky (6'7", 185 pounds) Bruce Anderson '62, at No. 5 where he rowed in the 1960 JV; and Pete Buttner '61, the little man with the big voice, finally getting his chance as varsity coxswain after the three year reign of Bill Anderson.

Pushing the varsity from the JV have been Tony Fiory '63, and Ken Anderson '63, two other members of last season's

freshman boat; Mike Gockel '61, a letter winner in 1959; and Sandy Von Kuegelgen '62, currently on the injured list.

Yale A New Opponent

The schedule this season is more varied than previously, and has limited competition with Harvard to just two races out of seven. Yale has been added to the slate, with Tech traveling to New Haven next Saturday. Also included is the bi-annual flight to Wisconsin for the varsity, the Eastern Sprints at Worcester, and the IRA at Syracuse on June 17.

Frosh Look Promising

Always an unknown quantity until the first race, the freshman crew has looked remarkably good in pre-season workouts. Dick Ericson's yearlings are big—averaging about 6'3" and 185 pounds—and fast, having beaten the JV in a mile time trial last Friday. The former great Washington oarsman claims his squad is potentially better than last year's eight, and there's only one slot higher than second in the country!

Course VI Society Elects 17 Members

Eta Kappa Nu, the electrical engineering honorary society, initiated 17 students selected from the top 25 per cent of the juniors and seniors in Course VI, VI-A and VI-B, on April 15.

The seniors elected to the society are William B. Lenoir and Claude R. Phipps.

The newly elected juniors are Bruce L. Conroy, David K. Duston, Robert S. Fabry, Jeremy R. Goldberg, Sherwin B. Greenblatt, Robert H. Jahnke, Kenneth A. Klivington, Douglas H. Loescher, Fernando Navas, Raymond E. Rink, Allan L. Scherr, Herman M. Schneider, Donald L. Smith, John H. Taylor and Lawrence D. Turner.

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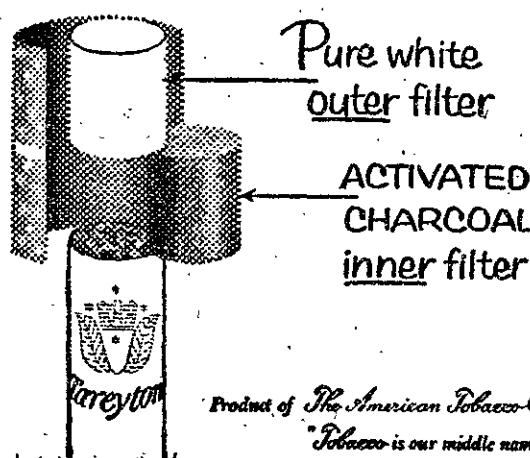


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Summer Session Registration Material

Registration material for the 1961 summer session will be available on Monday, April 24 at the Information Office.

The registration forms must be filled in and returned to the Registrar's Office, Room 7-142, by Wednesday, May 17.

The Registrar

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