

Formal Dance Friday Opens Spring Weekend

Divertissement, MIT's Spring Weekend celebration, begins at 8 pm this Friday night with a formal dance in Rockwell Cage. Tickets to the weekend are available in building 10. The Ball, a black tie affair will feature music by Harry Marshard and Dakota Staton. Bring your own liquor: mixer and ice will be sold at the dance.

Saturday afternoon will be taken over by living group sponsored activities: the Interfraternity Council Float Parade, fraternity cocktail parties, and dorm picnics. East Campus, Baker and Burton are going to Bluehill Reservation for a joint picnic; Senior house north to Breakheart Reservation to hear folksinger Ruth Ellen.

Saturday evening will feature a concert by the Four Preps, Oscar Brand, and a twist band, beginning at 8 pm in the Cage. Tables will be reserved and B.Y.O.L.

Draper To Address Rocket Society And The Public Tonight At Kresge

Dr. Charles Stark Draper, professor and head of the Department of Aeronautics and Astronautics at the Massachusetts Institute of Technology, will speak on "Astronautics and Technology" before the New England chapter of the American Rocket Society at 8 pm, Wednesday, May 2, in the Little Theater of Kresge Auditorium. The meeting will be open to the public.

Dr. Draper has become known as the "father of inertial guidance" in the US. The MIT Instrumentation Laboratory, which he founded and directs, pioneered in the development of inertial guidance systems for airplanes and missiles and in development of attitude stabilization systems for earth satellites.

Dr. Draper's laboratory presently is at work developing the guidance-navigation system that will be used aboard the National Aeronautics and Space Administration's Apollo vehicle, the spacecraft that will carry the first Americans to the moon and back.



Max Lerner Discusses American Civilization

Noted author, lecturer, and educator Max Lerner spoke on "America as a Civilization" April 24 at Kresge Auditorium under the auspices of the Lecture Series Committee.

British Museum Expert Speaks Today, 5 P.M. On Ancient Swords

Herbert Maryon, associated with the British Museum in restoration of ancient art treasures, will speak on "Metal Working in the Ancient World" in Kresge's Little Theater at 5 p.m. today.

Jointly sponsored by the MIT departments of Humanities and Metallurgy, the lecture is free and open to the public.

Mr. Maryon will discuss the techniques in making the Damascus sword with its special steel; the Viking swords, with patterned blades used in Europe from the second to tenth centuries; and the vividly-textured Indonesian kris.

His lecture, which will be illustrated by slides, will cover the casting of Chinese ceremonial bronzes and "magic" mirrors. These appear to be flat, but when reflecting sunlight onto a wall, show an image of a design or inscription hidden in the polished surface.

Mr. Maryon will also explain the decorative technique used on Etruscan gold jewelry, known as "granulation," in which innumerable spheres of gold were invisibly soldered onto the surface in patterns designed to catch light.

Stolen Tape Recorder Found In Building 20 Without Help Of FBI

The Ampex tape recorder stolen from the fourth floor corridor of Building 24 was returned Sunday night. An anonymous telephone call notified the Campus Patrol (Security Force) of its presence in a corridor of Building 20.

The \$3500 tape recorder, which was discovered missing Friday night, could have been stolen as early as two weeks prior to that time. Sgt. Richard Driscoll of the Patrol contacted Tom Emerson, East Campus Judicial Committee chairman, and Bruce Peterson, Dormitory Judcomm chairman. Peterson then informed the other three House Judcomm chairmen of the theft.

Notices were posted in the dormitories stating that the FBI had been called, since the tape recorder had been purchased on a government grant. They would conduct an investigation, it was claimed, unless the tape recorder were returned by Monday, April 30.

Contrary to the notices, the FBI had not been called, according to the Campus Patrol.

Physics Professor Advises Purchase Of Pirated Texts

An assistant professor of physics advised his junior class last Thursday to seriously consider purchasing certain reference books from the "Chinese bandits" (the Formosan publishers who offer pirated editions of American texts at prices far below American retail prices).

His advice came just one day before the four students banded together as the Technology Textbook Agents were told by the Faculty Committee on Discipline that importing such books was unethical.

Three weeks ago the TTA had announced plans to sell pirated texts at MIT, at prices far beneath those of local booksellers.

Opposition to TTA's plans mounted swiftly in the wake of the initial sales announcement. But within the week, TTA announced it was abandoning plans to import the pirated texts.

At this point the Institute Committee Judicial Committee undertook an investigation into TTA's operations. As a result, the four students—Durk Pearson '64, Gene Salamin '63, William Schmid '63 and Erwin Strauss '65—were placed on Dean's Office probation. Quoting from the Judcomm statement, they were found guilty of 1) Asserting that they had the sanction of the Institute in their enterprise, which in fact they did not; 2) attempting to use the Institute mails without permission and for a commercial purpose; 3) Using the Undergraduate Association bulletin boards without permission; and 4) Failing to follow the advice of the Dean's Office in this matter.

The ethics and legality of TTA's proposed operations were not a factor in the Judcomm decision, but have occasioned a great deal of comment.

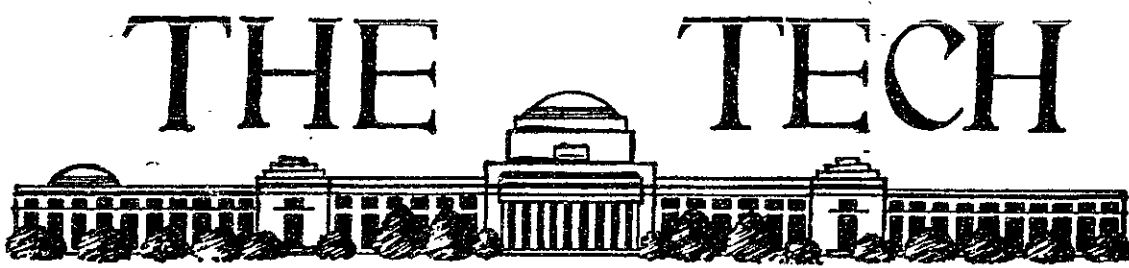
The question of ethics stems from the nature of the pirated books, which are books printed in countries which do not subscribe to the International Copyright Agreement. These publishers reprint, by photographic process, existing American books, without payment of royalties. Coupled with the relatively cheap cost of labor in their countries and the typesetting savings, the publishers are able to offer very substantial savings compared to American prices.

American authors and publishers have always felt cheated when their books were pirated. TTA's proposed sales list included many books by MIT professors, and consequently stirred up the spokesmen on the ethics question. This resulted in the Faculty Committee on Discipline meeting with the TTA group in an attempt to show the students the unethical nature of their plans. TTA had always asserted the ethicality of its operations.

In suggesting to his students that they consider purchasing from the pirate publishers to save money, the professor emphasized that he felt such an act to be ethical. A good author, he stated, is more concerned with having students read and learn from his books than he is with receiving the royalties.

He also mentioned that after repurchasing pirated texts, some persons send a royalty check, on their own initiative, to the author. Whether to do this, he said, is a moral decision resting with the purchaser. The professor also

(Please turn to page 12)



Established At MIT In 1881

Vol. 82, No. 12

Cambridge, Massachusetts, Wednesday, May 2, 1962

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Debate To Probe Strategy

"The Future of Nuclear Deterrence," a debate on recent developments in strategic policy, will bring together this evening in Kresge Auditorium five well-known analysts and authors on the subject of foreign and defense policies.

Stanley Hoffman, Assistant Professor of Government at Harvard and editor of "Contemporary Theory in International Relations," and Colonel William R. Kintner of the Foreign Policy Research Institute (University of Pennsylvania) and author of "Protracted Conflict", will defend present policies against any important changes. Harvard Professor of History H. Stuart Hughes, author of "An Approach to Peace," Arthur I. Waskow, former assistant to Representative Kastenmeier, presently with the Peace Research Institute in Washington, and author of "The Limits of Defense," will argue in favor of a new departure in strategic policy emphasizing minimized deterrence and unilateral American initiatives toward tension reduction.

The debate will be moderated by Dr. Louis Lyons, Curator of the Neimann Fellowship at Harvard and News Analyst on station WGBH, and is sponsored by the Greater Boston Committee for a Sane Nuclear Policy and by MIT's Rational Approach to Disarmament and Peace Committee.

The program this evening will begin at 8 pm and admission is one dollar. Tickets are available from the Pangloss Book Shop in Harvard Square and from TCA.

LSC Talk Features Counterspy Erickson On His WW II Activities

Eric Erickson, officially credited with having saved New York, Washington, and Philadelphia from V-bomb attacks by the Nazis in April 1945, will speak in Kresge Little Theater May 10, at 5 p.m. The talk is sponsored by the Lecture Series Committee.

He was instrumental in destroying the German oil synthetic fuel industry, virtually grounding their planes and immobilizing their mechanized units.

Erickson was born in Brooklyn and later became a Swedish citizen. During the war, while posing as a pro-Nazi, he was able to ingratiate himself with the Nazi hierarchy. This facilitated travel throughout Europe, with much opportunity to discover German secrets.

Paramount Pictures has recently made a movie, "The Counterfeit Traitor," the story of many of Mr. Erickson's experiences during the war.

'Alliance For Progress' Program Friday Night Features Ambassador

"Latin America, the United States, and the Alliance for Progress" is the title of a program of facts, policies, and claims about the Alliance to be presented in Kresge Auditorium, 8 p.m., Friday, May 4.

The program of three speakers is sponsored by Club Latino. Admission is free.

The Latin American point of view will be delivered by His Excellency Doctor Jose Antonio Mayobre, the Venezuelan ambassador to the United States. Dr. Mayorbe is a graduate of both the University of Moscow and Columbia University. A past Minister of Finance under President Betancourt, he is Venezuela's outstanding economist.

Dr. Everett E. Hagen, senior staff member of the MIT Center for International Studies, will present the American view of the Alliance. Dr. Hagen was economic adviser to the Government of Burma from 1951-53. He is the author of "On The Theory of Social Change: How Economic Growth Begins," to be published this month.

The third speaker will be Ruben Sternfeld, Director of the Office of Development Planning and Program of the Agency for International Development (AID).

1400 Register At Parents' Weekend



Above: Parents get a slight taste of what we go through every registration day. 1400 parents of MIT students signed in for a weekend of touring and sightseeing of the campus. The Freshman Co-ordinating Committee of Institute Committee sponsored the event.

Right: As part of the Parents' Weekend schedule of lectures, Professor Harold E. Edgerton, of the Department of Electrical Engineering, demonstrates a sonar transducer on which he has been working recently.



—Photos by Conrad Grundlner

Seven MIT Students In Space Course

Seven MIT students are among 62 students from the United States and Mexico who will participate in Columbia University's first Summer Institute in Space Physics, July 2 to August 16.

They are Uri Bernstein '63, Robert Edelson '63, Gilberto T. Perez-Guillermo '64, Bruce A. Peterson '63, Harvey Picker '63, Floyd W. Stecker '63, Roger J. Sullivan '62.

from 363 applicants in a national competition. They will receive tuition scholarships plus \$60 a week, round-trip travel fare to New York City, and a field trip to the NASA research centers at Huntsville, Alabama and Greenbelt, Maryland. The program is being conducted with the support of the NASA.

Dr. Robert Jastrow, Adjunct Professor of Geology at Columbia

and director of the new Summer Institute, will teach most of the course, which will consist of lectures on theoretical concepts of physics, astronomy, and geophysics, with applications to current problems of space research.

Dr. Wernher von Braun, Director of the Marshall Space Flight Center, will lecture to the group when it is in Huntsville.

East Campus Crosses Draw Judcomm Action

East Campus Judicial Committee Sunday found two East Campus residents guilty of "exhibiting conduct detrimental to the reputation of MIT."

The two students, Erwin Strauss '65 and Robert Yaes '63, had erected crosses in the East Campus courtyard at 11:30 p.m., Friday, April 20. No action was taken against a third student due to insufficient evidence.

Strauss's case was referred to the Dean's Office because Strauss's action "violated the terms of his outstanding Dean's Office probation." He had been placed on pencil probation as the result of charges arising from his plan to sell pirated textbooks as part of Technology Textbook Agents. Strauss was not notified of his probation until Tuesday April 24, four days after the cross incident.

The cross incident was considered last Friday at a meeting of the Faculty Committee on Student Discipline, which also discussed the ethics of the TTA operations. This group has taken no action as yet.

Yaes was placed on East Campus Judcomm probation for his participation in the cross incident. He was acquitted of a charge of damaging the East Campus fence due to lack of evidence.

The East Campus Judicial committee hearing was held Sunday in the Spofford Room (1-236).

Baker Foundation To Donate \$800 To Student Groups

The Everett Moore Baker Memorial Foundation will donate more than \$800 dollars this spring to assist worthy projects in perpetuation of the goals of Dean Baker. Student activities and other groups interested in applying for use of the foundation's funds should submit a detailed proposal (including a budget) for a particular project to the foundation, at Lichfield Lounge, Walker Memorial, by 4 p.m. Tuesday May 8. Groups should apply to the foundation only if the ordinary avenues for raising funds are insufficient.

The foundation was formed to advance the ideals and objectives of the late Dean of Students Everett Moore Baker, who was killed in a plane crash in 1950 while returning from a World University Service conference. Dean Baker was a staunch protagonist for the consideration of human beings as individuals, a vigorous proponent of a broad educational policy, a dynamic extracurricular program, and a congenial physical and intellectual environment at M.I.T., and an ardent worker toward friendly relations among the peoples of all nations.

For further information, contact George Lakoff, Chairman of the Foundation, at 27 Magnolia Ave., Cambridge, UN 4-1830.

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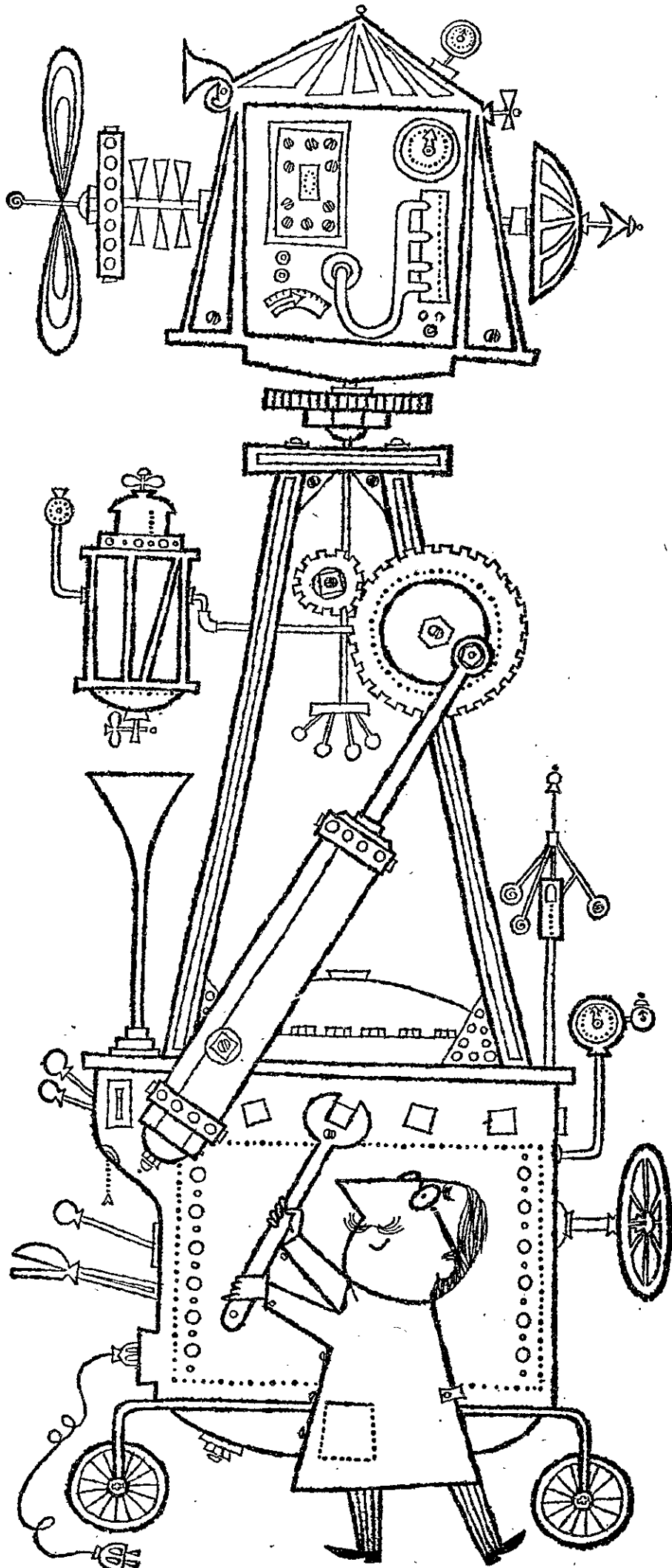
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Hoagland Discusses Contraceptive Pill

By Don Goldstein
Dr. Hudson Hoagland addressed a group of MIT students, instructors, secretaries, and others last Wednesday evening on "The Population Problem," and told them of the research that produced Enovid, the first fully successful contraceptive pill. The talk by Dr. Hoagland, Executive Director of the Worcester Foundation for Experimental Biology and President of the American Academy of Arts and Sciences, was sponsored by the Society for Social Responsibility in Science, which is forming a new chapter here at MIT.

Enovid is the commercial name for a synthetic steroid compound resembling slightly the natural hormone progesterone. It has been found empirically by colleagues of Hoagland at the Worcester Foundation, to prevent conception as long as it is taken by stopping ovulation, the release of mature eggs by the female ovaries. Progesterone itself is secreted by the pituitary during natural pregnancy and prevents ovulation until after birth has occurred.

Not One Pregnancy
The study which proved the effectiveness of Enovid was carried mainly among several thousand Puerto Rican women over a period of roughly 2 years. Whereas the normal pregnancy rate of the island's women is about 200 per thousand per year, none of women who took the contraceptive pill according to directions became pregnant during the study, according to Dr. Hoagland.

The directions asked them to

take one pill containing 5 milligrams of Enovid each day from the 6th to the 25th day of their monthly cycle. The average of all women who took the pills at all, even though not the full 20 days per month, showed a pregnancy rate of only about one percent of the norm. Conventional contraceptives, on the other hand, reduce the pregnancy rate to an average of about 30 percent of the norm, and thus are quite unreliable in comparison with Enovid.

Symptoms Psychomatic?
Dr. Hoagland pointed out that all the important side-effects of Enovid are beneficial or quite temporary, unlike many past contraceptive methods. Women who took the pill in the studies had a significantly lower rate of incidence of breast cancer, a generally lower susceptibility to infectious disease, and a higher psychological vitality than those who did not. Fifteen percent of the subjects complained from more frequent headaches and occasional nausea, but these symptoms usually disappeared after a few weeks of adjustment. The similar reaction of some of the women to placebos would indicate an important psycho-genetic component in producing the temporary discomforts.

The pill is currently available by prescription in the US and a number of other countries, and it is comparatively inexpensive at 18 cents a table commercially or about half that through planned parenthood clinics.

"Strange Bedfellows"
The beginning of his talk dealt with the whole problem of population explosion, a term which Dr. Hoagland said was "unfortunately, a very accurate cliché." He pointed out that while countries and individuals are becoming aware and concerned with the problem, three "strange bedfellows" strongly oppose the only solution which offers

lasting benefit—birth control of some sort. They are the American businessmen, who see in more people only more potential consumers, the Catholic Church, which feels that artificial methods are immoral because they violate "natural law," and the Communist Party, which sees birth control as Western imperialist plot to destroy the rising power of the developing nations by limiting their populations.

Dr. Hoagland indicated that the major problem now remaining was to step up educational efforts in countries like India to encourage the people to use the pill, possibly with monetary rewards for those who do. Unfortunately, India has already turned down a large shipment of Enovid at less than a cent per tablet, but Hoagland suspected that the action was taken mainly for political reasons.



At the end of the Grand Promenade at A-Ball last Friday (left to right): Linda Morris and her date Juri Toomre, Chairman of the A-Ball Committee, Dr. and Mrs. Stratton, and Barbara Hartford and her date Bob Huff, also of the committee. The theme of this year's A-Ball, which was attended by about 300 couples, was 'Old New Orleans.' Guests found the theme carried out even down to a live Dixieland Band during the buffet on the third floor.

Stratton Tells Parents Of MIT's Goals

"MIT keeps pace with our changing world" was the theme of President Julius A. Stratton's speech to 1400 parents and students Saturday night.

Speaking as part of the Parent's Weekend program in Kresge Auditorium, Dr. Stratton explained that the proper goal of education is to prepare each successive generation to live in their world.

Once a simple task, this is now a difficult job, due to the accelerating tempo of technical progress. Science is playing a central role in speeding changes in the modern world.

With the shortening span of time between scientific discovery and its technical applications, science now pervades every sphere of human activity.

Dr. Stratton ventured a prediction: the United States is going to face a new era of competition in economic affairs. Other nations can and will compete. If we are to maintain our standard of living we must learn to apply the products of new science into new products and services. This will sustain a tremendous demand for individuals who can innovate creatively.

After this capsule view of the world, President Stratton explained how MIT is responding. MIT is expanding its range of interests so that it is no longer an institute, but rather a scientific university.

Key new areas are the social sciences, management, and the humanities. The problems of management are becoming the most severe the world has ever faced; their size and complexity is rapidly increasing.

"There is no good in adding technology and new sciences unless we can manage them for our benefit."

He termed the humanities "not something to be added on in off hours, but an essential part of the education of every professional man and woman."

A professional education now is just a sound foundation on which the student should build his knowledge throughout his life. Of course MIT retains its specialized professional courses, but the emphasis is now breadth, fundamentals, and the scientific method of attack, rather than facts and specific knowledge.

Problems and Goals

As we shape our efforts toward future goals we must solve universal problems such as an abundance of knowledge never before encountered. This knowledge is fragmented and specialized, but must be integrated if we are to have truly educated men and women.

The MIT goal is to give students a command of lasting fundamental principles rather than factual inventories. Secondly, if attempts to impart the power that comes from organized training on how to attack problems — the scientific method.

Third, MIT seeks to give self-reliance and security in a world of change. Finally "we must never forget our obligation to develop moral and ethical qualities in our students, to inspire a regard for things of the spirit, for character as well as intellect. The faculty had a deep concern in these matters, he stated.

The Massachusetts Audubon Society says the dragonfly is a creature of the air, never walking. His legs are used only for catching prey and as landing and perching gear.

Tau Beta Pi Elects 90 Students, 3 Profs

The new members of Tau Beta Pi, the national honorary engineering society, include 36 juniors, 11 seniors, 43 graduate students and three professors.

They are:
Professional Members
Prof. Lan Jen Chu, Prof. Egon Orowan, Prof. Theos Jardin Thompson.

Seniors
John F. Banzhaf III, Alan W. Carlson, Scott Lee Danielson, Richardo Dussan Villaveces, Gerald Lane Gottlieb, Dan Kraft, Leonard E. Lyon, Gordon W. Mann, Richard Ellis Marks, Alfonso Rueda, Daniel E. Thornhill.

Juniors
Paul D. Abramson Jr., Ronald L. Albert, Bruce Anderson, Juan Ricardo Bernal Restrepo, Dean Wilson Boyd, Dennis D'Arcy Buss, David Caldwell, Franklin Hadley Cocks, H. Steven Colburn, William Waites Cooper IV, John Hamilton Crawfords, Steven Roland Dittmeyer, Robert Ellis Edelson, Martin Eisenburg, Frank Yale Fradin, Keith D. Gilbert, Jerome Ira Glaser, John Joseph Guinan Jr., William H. Hackett Jr., Richard Michael Harris, Lawrence Day Krabauer, Arthur Bruce Krewinghaus, Roger K. Lewis, Richard Michael Males, John Henry Meyn, John Wilson Murdock, Mario Nannetti Valenota, Josef Nathanson, Gregory G. Parissis, Robert Philip Porter, David Reiste, Michael Joel Schaffer, Charles William Selvidge, David Bruce Stickler, Robert Edward Vernon, Lewis Robert Wilson.

Graduate Students
Thomas G. Adcock, Vidal R. Algazi, Edwin E. Alpin, Isao Asai, Allan J. Atrubin, Daniel M. Beltran, John U. Besch, Philip Joseph Brendel, Rudd Hoover Canaday, Eric Courtens, Paul Curbeo, Robert A. Dorack, Henri Dyrner, Jean-Pierre Denys Eymery, Robert J. Fitzgerald, Patrick E. Fowles, A. P. M. Glassford, Mario Grignetti, Haralambos George Harr's, C. C. Hwang, Yusing Yiu-Sing Jung, Jacob Katzenelson, Frederick D. Ketterer, Peter Klimowski, Marc Andre Kolpin, David Dayton Lanning, John A. McMorris II, Nean C. New, William Tobias Norris, William J. Paterson, Pawel Rzymierz Predicki, Jose M. Roisset, James Wilson Rogers, Alexander William Rowe, Vasilios Stavros Salapatas, Arthur Shavit, Edward Allan Silver, Hong Siang Tan, James Stanley Tulenko, George Anthony Weir, Stewart Wade Wilson, Philip Ming-Yi Yang, Mohsen Moharram Zahran.

The Massachusetts Audubon Society says more than 200 feathers make up the fan of the peacock.

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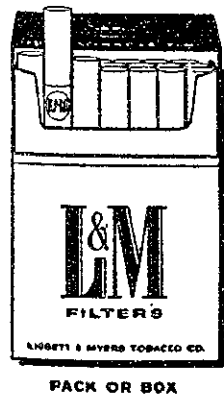
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Magna Charta

Last week's *The Tech* carried the decision of the Institute Judicial Committee regarding the members of the short-lived Technology Textbooks Association. These four gentlemen were recommended for pencil probation on the basis of four rather trivial offenses, the most serious of which was apparently taking the name of the Institute in vain.

The newspaper of the previous week carried the story of judicial committee action on the theft of a stamp dispensing machine: requirement of repayment and repair.

We would like to ask some questions. First, why did the decision to recommend pencil probation for the TTA group appear in the Institute Committee minutes before it had even been ratified by the Judicial Committee? Why did the four gentlemen involved receive notice of this recommendation only on the same day it appeared in *The Tech*. Since when is misuse of Institute bulletin boards a crime to be punished more severely than the theft of a machine dispensing federal stamps?

Isn't it time we looked into a realistic judicial code?

An MIT Library?

The facts of the matter are these: ten years ago, MIT began slowly to improve a remarkably poor library system. The Hayden building was constructed, with hopes that it would be adequate for many years to come. Recent years have cast serious doubts over the face of that hope Hayden library is full, and the rapidly increasing number of journals and works of scientific importance portends a minor crisis just for the process of keeping up. In addition the adequacy of the base collection, which presently numbers some 700,000 volumes, is open to question.

The Institute Committee's Secretariat has distributed a questionnaire in an attempt to evaluate some student feeling about the library system. Some of the data from this questionnaire have been compiled and show interesting results. For 142 undergraduates living in Cambridge the secretariat found the following average per capita usage by class: Seniors 66 hours term, Juniors and Sophomores 16, and Freshmen 4. These figures would indicate that the increased emphasis on original and research work in the senior year stimulates a marked increase in library use.

Next the question was asked: "What percentage of the time did you find the material you required?" Of the people answering, 59% said they found what they wanted 90 to 100% of the time while 11% said required materials could be found less than 60% of the time.

It seems to us that these figures indicate that something more is desired and should be forthcoming from the system. It is impossible to write a really definitive research paper when only some of the references are available. In the humanities, there is a great concern that the MIT collection is inadequate to support our expanding program.

In relation to other technical schools,

our libraries are fairly good. Cal Tech, RPI, and Carnegie each have libraries of approximately 100,000 volumes. But in comparison with schools like Yale, whose collection numbers over four million volumes for less than 8,000 students, our collection appears deficient.

If MIT wishes to maintain leadership in technical education, as well as to provide good resources in the humanities, the administration must act quickly and decisively to provide the very best research libraries available. Unfortunately, no provision for this was made in the Second Century Fund; rather the problem has been turned over to a committee under Professor Thomas Sherwood for investigation.

Most liberal arts colleges are based upon the research facilities available to them through their libraries; a technical institution cannot be any less dependent. The MIT administration must realize that in large part the future greatness of this institution depends on their solution to this problem. It will be costly, both in book purchases, new construction, and increased salaries, but if MIT shies away from attaching highest priority to the planning and funding necessary, it may find itself in the ridiculous position of a high-speed computer without a memory.

For Creative Journalism

We attended a Journalism Institute at the University of New Hampshire last weekend which impressed us strongly with the importance and responsibility of the press and other journalistic media in today's society. The spread of news and opinion is vital, certainly, to the progressiveness and awareness of people in any nation.

We were also impressed by the fact that the majority of newspapermen today, while loudly claiming full freedom of the press, do not assume the concomitant responsibilities of the press—to be objective, to be factual, to report in depth, and to be ethical. The sad fact is that too many of our large and powerful newspaper organizations do not encourage, and even oppose in most cases, the adoption of ethical standards and the rigorous and responsible training of young journalistic talent that will be necessary if journalism is to become a profession in the same sense as medicine, law, and education.

MIT, a leader in the advance of scientific knowledge and social institutions, must recognize the importance of ethical and dedicated journalists in maintaining a truly free and informed nation. At the same time, the connections between journalism and communications theory and practice, technical writing and reporting, political science, economics and industrial management are obvious.

To more fully play its role in this area, the Institute should offer a course or courses in journalism under the Department of Humanities, and should encourage student participation and creativity in student publications more realistically than it does at present, with its heavy course work load. For example, lab credit might be given to students who take the journalism class and subsequently are active in *The Tech*, T.E.N., Voodoo, and any other publications calling for journalistic skills.

We recommend that the Institute begin looking for an instructor with experience in journalism who would be willing to set up and teach such a course.

Letters to The Tech

Suggests Course With No Requirements To The Editor:

A faculty committee under Professor Zacharias is currently undertaking a study of the curriculum at MIT, especially that of the first two years. Although many suggestions for change arising from my experience as a student come to mind, I wish at this time to make one which may not otherwise be considered by the Zacharias committee.

As Professor Frank pointed out during the SCEP symposium several weeks ago, more and more of science and engineering are becoming interdisciplinary, showing no reverence whatever for the old departmental distinctions. The close connections between physics and chemistry, chemistry and biology, electrical engineering and math and physics, and so forth, are clear and undoubtable. But new barriers—between linguistics and E.E., physics and psychology, biology and math, and any two of the engineering specialties—are also being battered down every day by scientists and engineers with resourcefulness and broad imagination. I hope that the Institute will recognize more fully the fact that the old separations are largely mythical, and foster present and future interdisciplinary learning in its undergraduate curriculum.

The method by which this may be accomplished is fairly simple: a new course (say, XXIV) might be established which would require no specified work beyond general institute requirements, and not offer courses itself. Instead, a selected group of the

present professors with interdepartmental backgrounds should act as advisors to students selecting XXIV, and guide them in choosing their own program of work from the existing courses in a way which matches and develops their individual interests.

Although there are several alternative solutions to the problem, they offer substantial difficulties. At present registration officers (who are neither selected by students nor necessarily interested in the same subfield) may waive a required course in an individual case. But the burden of proof that course A is preferable to course B now rests too heavily upon the student, rather than upon the Institute and/or an advisor.

Two present courses, XVIII and XXI, have fairly few specified requirements, and thus may serve well the interests of some students who desire educational breadth. This is no reason to think, however, that a student with interdisciplinary interests like biophysics or psychocommunications would find a comfortable base in either math or humanities, or that he could receive proper advice from men in either area.

Another possible solution exists in the reduction of the requirements in present courses and/or a general liberalization of Institute educational philosophy. While this would be fine, I feel it would take longer, require more exhaustive study, and meet more opposition than would the action of establishing a new interdisciplinary course, with liberal scientific education built into it from the start.

(Name Withheld)

Kibitzer

By Steve Levy '63

This week's hand illustrates a principle of deceptive play. When South wins the heart lead with the Queen he has two worries. He must get at least four club tricks, but the danger of a diamond shift makes proper play of the club suit imperative. In practice, declarer took the opening lead and played the three top club honors. On the third club, West pitched a low spade and when declarer led a fourth club to establish the suit, West discarded a low heart. Now East could easily find the diamond switch to set the contract.

There is an interesting point about the play in diamonds. East must first lead low to partner's jack and win the return for the defense to take all four tricks. If East first leads the King, they will be held to three tricks and North—South will make 3 N T.

A better play in the club suit would have been an immediate finesse of the 10 of clubs. If it loses, East will not have the benefit of informative stuffs by his partner and will probably continue hearts. Furthermore, it may look to him as if West has the Queen of clubs in which case they have two club stoppers. Declarer should always consider how much information he can afford to give away in the play of his suits.

Last week's puzzler had the following position:

North	South
♠ 8 5 4	♠ J 10 7 6
♥ A J 6	♥ Q 9 5 3
♦ Q 10 9 6 5 2	♦ A K
♣ 5	♣ Q 9 2

The contract was 3 N T by North-South. Opening lead of low spade was won by declarer's Queen. South leads the Jack of diamonds.

It is clear that if South can establish diamonds, 3 N T will

NORTH			
♠	A K 3		
♥	7 5 4		
♦	10 6		
♣	A K 10 7 2		
WEST		EAST	
♠	9 6 2	♠	J 10 7 4
♥	K 10 8 3	♥	J 9
♦	A J 9 5	♦	K 7 3
♣	8 4	♣	J 9 6 3
SOUTH			
♠	Q 8 5		
♥	A Q 6 2		
♦	Q 8 4 2		
♣	Q 5		
North	East	South	West
1♣	P	1♦	P
1♠	P	2 NT	P
3 N T All Pass			

Opening lead: Three of hearts.

make. West should see that the only defense is to clear dummy's entry before the Ace of diamonds is knocked out. The important question is which heart to lead. The correct play is the Queen. This prevents declarer from ducking with the ten in his hand; a low lead would permit this which gives South a sure entry to dummy. Only the Queen wins when partner has the King with no high spot-cards, because dummy is forced to win with the Ace eventually.

This Saturday is masterpoint day at the MIT Bridge Club. The tournament starts at 1:30 in the Walker Blue Room. Sanctions for next week's scheduled Men's Pairs and the following week's special game have been obtained.

PUZZLER			
West		East	
♠	3 2	♠	Q 10 8 6 5 4
♥	A K Q J 7 4	♥	8 6
♦	6	♦	Q 9 7 5
♣	A K Q J	♣	4

Contract: 4 hearts—doubled by North.
North leads Ace and Jack of spades. The Jack is overtaken by the Queen and South's King with West following. How should West play to ensure the contract against a 4-1 heart split behind him if South continues spades or shifts to a club?—Answer next week.

College World

Egyptian Head, Civil War Soldier Among Biology Department Relics

A few months ago a head was found wrapped in newspapers in a locked attic room of the Science Building of Hamilton College. Speculation as to its origin ran the gamut from murder to a fraternity hazing prank. The head was turned over to the New York State Police for laboratory examination and little more was heard of the episode.

Recently the police report was finally released. The head was found to be of Egyptian origin and about 3300 years old. The report included a recommendation that the head be permanently loaned by the college to the New York State Museum.

In conjunction with the lab tests, Dr. Philip V. Rogers, chairman of Hamilton's department of biology, conducted his own research into the origin. He learned that an alumnus of Hamilton had presented the mummified head to the college in 1897. The head was placed on display until it was stolen in 1909. The thief was presumably a Hamilton student who placed the head in the trophy room of his fraternity.

The head remained missing for twenty years. At 7:30 one morning in 1929, Dr. Frank Ristine, then Dean of the college, called Dr. Earl Butcher, then head of the biology department, and claimed that some ghastly object was staring at him from the front porch. Ristine said that he feared to leave the house to go to his office. Dr. Butcher promptly came and retrieved the missing head.

The head was then stored in the office of a professor of physics until 1933 when it was again stolen. This time it remained out of sight for

twenty-nine years until a workman found it wrapped in newspapers and the speculation of murder arose.

Inventory Taken

The problems that developed from the discovery of the head caused Hamilton's biology department to take stock of its specimens. The Hamilton College Spectator consequently carried a story of the relics—past and present—belonging to the department of biology.

The department at one time owned five mummified bodies. They have gradually deteriorated, however, and just last year the fourth body was given a "decent cremation" in a rather unpublicized ceremony.

The bodies were supposedly those of men who had fought in the Civil War. It seems that a Hamilton graduate who was a doctor in the war, whenever he got bored, would tour the battlefields and pick up dead bodies. Taking them back to his headquarters, the doctor would strip the skin from the bodies, shellack them, fill the arteries and veins with a colored fluid, and then donate them to Hamilton.

The department's lone remaining body, although shrivelled and brittle, still has teeth, both ears, and a full supply of fingers and toes. Colorful blood vessels are especially prominent in the neck, and a careful observer can supposedly trace them throughout the body.

The biology department's other human specimens consist mostly of skulls, similar to that found in the attic. They are ordinarily used for demonstrations in anatomy labs. Most of them used to come from China, but since the Communists took over that country the supply has been cut off. Currently Hamilton is getting its skulls from India.

"Desire To Survive"

Heads of a different kind—those of "talented unmarried women under 35"—are currently being sought. According to a story in *The Chicago Maroon*, they are needed to join in an experimental communal settlement now being organized in Australia.

Aiming at a "community which will seek to develop the individual's potential for creativity and cooperation," the organizers have cited as their first goal the "desire to survive." The emphasis on single women stems from the already large number of responses from families and single men.

Private Tour of Dorm

A large number of single men also responded to a different type of campaign—one directed against their school's dormitory regulations. At Amherst College over 90% of the dormitory residents have signed a petition expressing "dissatisfaction with campus facilities inadequate for responsible privacy."

In particular disfavor is the regulation forbidding women above the first floor of the dorms. As a gesture of protest, twenty-three girls were given a private tour of the off-limits regions of one of the dorms. Consequently, the administration is now considering a rules revision which would allow women into dormitory rooms until midnight on weekends.

Revision At Notre Dame

Another rules revision—this one academic—has been put into effect at Notre Dame. The *Notre Dame Scholastic* reports that all AB sophomores are now required to submit an autobiography and a critical analysis of a recently-read book to a board of three faculty members. The autobiography and analysis are to form the basis for a half-hour interview by the board in May. The board is

(Please turn to Page 6)

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LECTURES

MIT CHEMICAL SOCIETY announces a lecture by Dr. M. Kent Wilson of the Chemistry Department of Tufts University at 5 pm today in the Spofford Room, 1-236. Dr. Wilson will talk on "CBA (Chemical Bond Approach) in High School Chemistry," and the public is invited. Coffee and doughnuts will be served.

"THE ROLE OF COMPUTERS IN THE UNIVERSITY" is the topic of a lecture by Professor Herbert M. Teager of the E.E. Department next Monday, May 7. He will discuss the impact and potential impact of "thinking machines" beginning at 3 pm in the Bush Room, 10-105, and all are invited. The MIT Joint Student Branch, AIEE-IRE is sponsoring the lecture.

ERIC ERICKSON will lecture on his "Experiences With the OSS in World War II" on May 10 in Kresge Little Theater at 5 p.m. The lecture is sponsored by LSC and is open to the public.

SEMINARS

COME TO THE LOCKER ROOM SOCIETY's daily discussion of topical subjects and shoot the breeze with the talkers of MIT. The group meets for discussion in room 2-090 from 11 until 2 pm every day Monday through Thursday, and 11-5 Friday. Call A. Aaron at DU 9-9212 for more information.

SOCIAL

THE CLASS OF 1961 will hold its first reunion in the Burton House Dining Room from 4-6 pm Saturday, May 5. The gathering will be a Cocktail

Party open to all members of '61 and their wives or dates; reasonably priced drinks will be served.

MEETINGS

THE SCIENCE FICTION SOCIETY hold elections for next year's officers Friday, May 4, 1962 at 5:00 pm in the Spoffard Room, Room 1-236.

MISCELLANEOUS

METALLURGY FRESHMAN OPEN HOUSE is 5-6 pm this Thursday, May 3. It will be in the Given Room, Building 35, and all freshmen are invited.

The next seminar of the MIT INTER-AMERICAN PROGRAM IN CIVIL ENGINEERING will present Mr. C. A. Rehling, Assistant to the Managing Director of the UN Special Fund, talking on "Problems and Promises of Special Fund Assistance in Latin America."

The public is invited to the seminar in room 3-133 at 4 p.m. Tuesday, May 8, sponsored by the Civil Engineering Department.

"LATIN AMERICA, THE UNITED STATES, AND THE ALLIANCE FOR PROGRESS" will be discussed by three distinguished speakers at 8 p.m. Friday evening in Kresge Auditorium. Dr. Jose Antonio Mayobre, Ambassador of Venezuela to the US, Mr. Ruben Sternfeld, Director of the Office of Development Planning and Program of the Agency for International Development, and Professor Everett E. Hagen of MIT's Center for International Studies will be the participants. Club Latino is sponsoring the meeting, to which the public is invited with no admission charge.

College World:

(Continued from Page 5)
then to submit an evaluation of the written material and the interview to both the student and the dean.

Can Appeal Grades

According to an item in The Daily Californian, an undergraduate at Berkeley may now appeal an 'F' grade if he feels that the grade is unfair. In order to challenge the grade, he must file a petition with the Academic Senate not later than the end of the regular semester following the semester in which the grade was received.

The case will then be investigated by the dean of the particular college in which the student is enrolled. His findings will be reported to the Committee on Courses and Instruction and this committee will decide whether or not the failing grade was deserved.

The 'F' grade may be changed to the grade 'passed,' but no corresponding change will be made in the cumulative grade average. The student, however, will not be required to repeat the course.

No Appeal Wanted

It seems unlikely that an appeal will be made to correct a situation quite opposite from that which led to the Amherst petition. The situation is described by this article in Illinois Tech's Technology News:

"It has been discovered that the keys which Illinois Tech coeds are given with their room keys open not only McCormick Lounge, part of the new men's dormitory, but also the entrances to both the North and South Wings of the dorm, as well as select few of the dormitory rooms."

Technology News did not say under what conditions research on the article was done.

Girl Watcher's Guide

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First field trip

LESSON 7- Keep moving

One of the most important rules of girl watching is this: keep moving. In fact, it is always a good idea not only to move, but to appear to be going somewhere. (This is especially important on group field trips.) Beautiful girls, although they enjoy being watched, are instinctively suspicious of strollers and downright fearful of loiterers.

The man who is walking briskly, who looks like he's "going places," makes a better girl watcher. For one thing, he sees more total girls and in the end he enjoys his hobby more. (If you are planning an extended field trip—to Paris and Rome, for example—be sure to pack a couple of cartons of Pall Mall.)

WHY BE AN AMATEUR? JOIN THE AMERICAN SOCIETY OF GIRL WATCHERS NOW!

FREE MEMBERSHIP CARD. Visit the editorial office of this publication for a free membership card in the world's only society devoted to discreet, but relentless, girl watching. Constitution of the society on reverse side of card.

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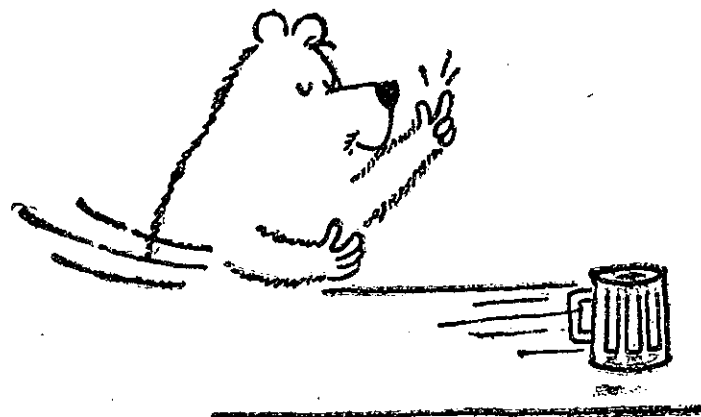
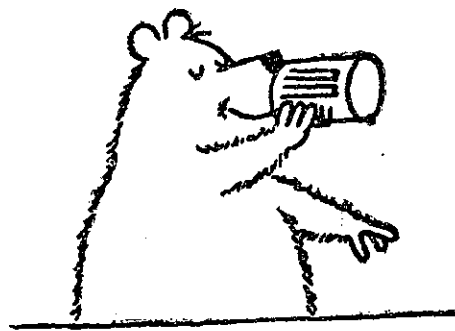
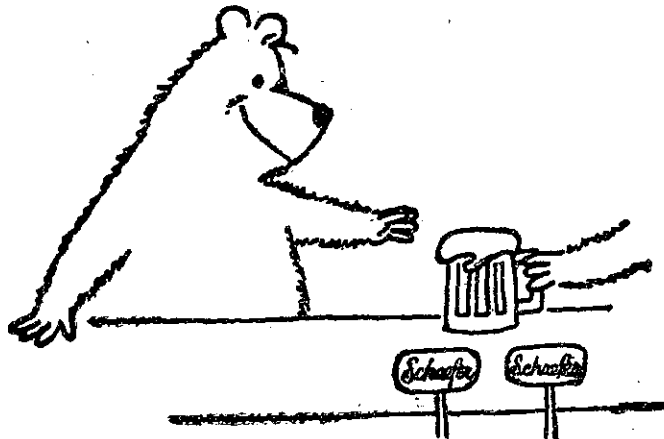
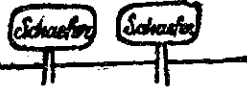
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Clark, Kraushaar

Physicists Cite Success Of Satellite Experiments

America's Explorer XI satellite, launched just a year ago, has proved the usefulness of gamma ray astronomy as a new scientific tool for exploring outer space.

Explorer XI was launched by the National Aeronautics and Space Administration from Cape Canaveral, Fla., April 27, 1961. It carried a gamma ray telescope, or detector, designed and built at MIT's Laboratory for Nuclear Science.

The two physicists who directed the experiment, MIT Professors George W. Clark and William L. Kraushaar, reported results Thursday in a paper presented by Dr. Clark before the annual Spring meeting of the American Physical Society at the Sheraton-Park Hotel, Washington, DC.

The Explorer XI telescope, they said, had a useful orbital life of about five months. So far, about half of the telemetered data has been analyzed and reduced.

In this data, evidence was found that the telescope detected 64 individual high energy gamma rays that originated from collisions of cosmic rays with hydrogen nuclei far out in galactic space. Hydrogen nuclei make up cosmic gas.

This rate is anywhere from three to ten times greater than what had been expected on the basis of earlier estimates about cosmic ray and cosmic gas concentrations in galactic space.

They said this finding is not particularly surprising, however, since earlier estimates have always had to be made with a high degree of uncertainty. If observed gamma ray events had turned out to be 10 or so times greater than predictions, the finding would have been startling. But the actual results, three to ten times more observations than had been predicted, are well within reason, considering uncertainties and variables with which predictions had to be made.

Drs. Clark and Kraushaar said the 64 events thus far analyzed have indicated a sort of even and uniform distribution of cosmic rays and cosmic gases throughout the galaxy. But they believe that more data taken over longer periods will show a non-uniform distribution pattern, with some areas of galactic space more rich in cosmic rays and cosmic gases than others.

The scientists said the amount of data obtained from Explorer XI really is rather meager when compared to the amounts needed in order to form firm judgments about the make-up of galactic space. An important contribution of the experiment, they said, was to prove out the technique and pave the way for later, more elaborate experiments.

The two physicists said the most

important role of gamma ray astronomy in the future probably will be in narrowing down many of the uncertainties which now obscure man's understanding about the make-up of galactic space and his knowledge of the size and shape of his own galaxy, the Milky Way.

Gamma ray astronomy takes advantage of phenomena that occur when cosmic rays collide with matter. One immediate product of such a collision is a short-lived subnuclear particle called a neutral pi meson, which carries no electrical charge. The pi meson immediately decays, giving up two high energy gamma rays—each with an energy of 50 million electron volts or more. (The Explorer XI telescope was sensitive only to gamma rays of 50 Mev or more.)

Unlike other products of the collision, the high energy gamma ray travels through space in a straight line, unaffected by magnetic fields. Hence, the direction from which a gamma ray arrives at a detector, like the Explorer XI telescope, gives an indication of the area in space where the cosmic ray-hydrogen nuclei collision occurred. From the rate of gamma rays received, the concentrations of cosmic rays and gases present in that area can be calculated.

General McCormack Addresses ROTC Meet



Major-General James McCormack, USAF Ret., speaks at a dinner for AFROTC cadet officers, Apr. 23 at the Faculty Club. Gen. McCormack, vice president of the MIT Defense Laboratories, lectures on mobility of Air Force thinking in our changing technological world.

—Photo by Harold Juzzolino

MIT Will Aid In The Development Of Indian Institute Of Technology

MIT and eight other American universities, at India's request, will assist in developing the Indian Institute of Technology at Kanpur, India.

Education Services Incorporated (ESI) of Watertown is administering the project, financed by the United States Agency for International Development (AID).

The program provides three major areas of assistance.

1) Faculty members from participating institutions will go to Kanpur to develop curricula, plan research laboratories, and establish research programs based on Indian needs.

2) About an equal number of Kanpur faculty will attend participating institutions in the US.

3) Assistance will be given on laboratory equipment, facilities, and libraries unavailable in India. In full operation there will be 20-25 faculty members at Kanpur. The first programs offered will be un-

dergraduate physics, chemistry, mathematics, and civil, electrical, chemical, mechanical and metallurgical engineering. Later, graduate courses will be added.

Norman Dahl, professor of mechanical engineering at MIT, is already in India with his family. He will be Program Director during the beginning phase.

GALA SPRING FESTIVAL


Sunday, May 6

2:30 p.m. Children's folksong concert featuring JACKIE WASHINGTON Vanguard Recording Artist Refreshments Donation \$1.00 Evening Folk Concert

8:15 p.m. RUTH ELLEN Club Yana - The Loft BOB FROMER - Chomoldney Donation \$1.25

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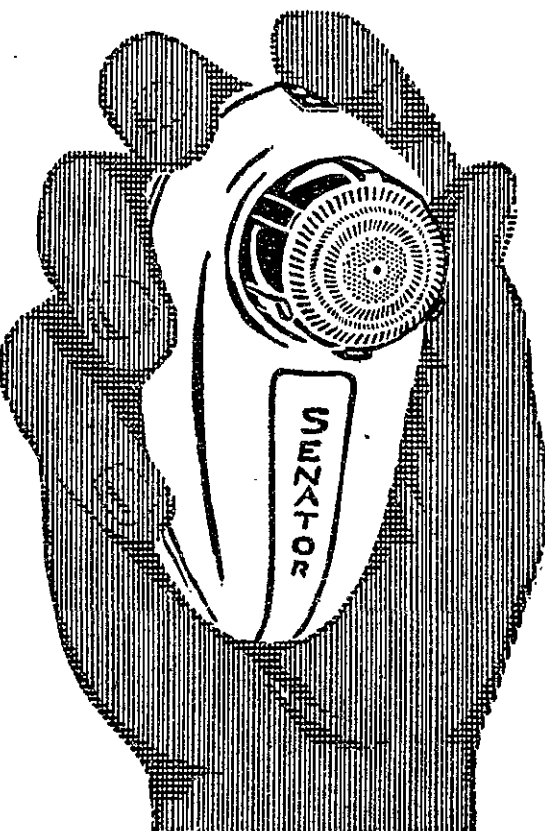
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Tech Coop

Entertainment-wise

Pops Opens 77th Season This Week

By Tom Maugh

The Boston Pops Orchestra, the MIT Glee Club, and the Logarithms will join forces Sunday afternoon for the annual MIT Day at the Pops. Held in conjunction with Spring Weekend, the afternoon event will feature a wide variety of music.

The Boston Pops, Arthur Fiedler conducting, this week opened their 77th season of performances. This is Conductor Fiedler's 33rd year with the Pops in that capacity.


This week's series of concerts displays the Pops' great versatility, with themes varying from "Ballet Music from 'Faust'" to "Never on Sunday." It will also display several familiar guest artists, notably Ralph Votapek and Alfred Krips.

For the MIT student, however, the highlight of the week will be Sunday afternoon. MIT's Director of Music John Corley will lead the Pops in the Overture to "Rienzi" by Wagner, after which the Glee Club shall take the stage. Among the songs they will perform are

- Tarantella** by Thompson and **"Night Song"** by Schubert.
- The Pops concerts are held at the Symphony Hall. Ticket prices vary from \$3.50 to \$1.00.
- This week's program is:
- Wednesday Evening**
Slavonic Dance No. 7 in C Major, Op. 28—Dvorak
Overture to "Die Fledermaus"—Strauss
Theme from "Exodus"—Gould
Ballet Music from "Faust"—Gounod
Piano Concerto No. 3 in C major, Op. 26—Prokofiev
(Soloist, Ralph Votapek)
Selections from "My Fair Lady"—Loewe
"No Strings"
"Strike Up the Band"—Gershwin-Green
- Thursday Evening**
Washington Post, March—Sousa
Suite from "Peer Gynt"—Grieg
Two Arias for Mezzo-Soprano and Orchestra: Mon coeur s'ouvre a ta voix, from "Samson and Delilah"—Saint-Saens; Gypsy Dance, from "Carmen"—Bizet
(Soloist, Mildred Miller)
Capriccio Italian—Tchaikovsky
Suite from "State Fair"—Rodgers
The Typewriter—Anderson
76 Trombones, from "The Music Man"—Wilson
- Friday Evening**
Rakoczy March—Berlioz
Academic Festival Overture—Brahms
Ave Maria—Schubert
(Soloist, Alfred Krips)
Bolero—Ravel
Piano Concerto in A Minor, Op. 54—Schumann
(Soloist, Denise Bacon)
"No Strings"
"Pops Round-Up"—Rodgers
Look Sharp-Be Sharp—arr. Hayman
Merrick-Bennett
- Sunday Afternoon**
Toccata—Frescobaldi-Kinder
Suite from "The Water Music"—Handel-Haydn
Overture to "Rienzi"—Wagner
Piano Concerto No. 3 in C Major, Op. 26—Prokofiev
(Soloist, Ralph Votapek)
Selection from "Camelot"—Hadjilov
Never on Sunday—Merrick-Bennett
Look Sharp-Be Sharp—Merrick-Bennett
- Sunday Evening**
Triumphal March, from "Aida"—Verdi
Overture to "Barber of Seville"—Rossini
Largo, from the "New World"—Smetana
Phony—Dvorak
Malambo, final dance from "Estancia"—Garcia
Piano Concerto No. 3 in C Major, Op. 26—Prokofiev
(Soloist, Ralph Votapek)
Selection from "West Side Story"—Bernstein
The Typewriter—Anderson
Mack the Knife, from "The Three Penny Opera"—Weill

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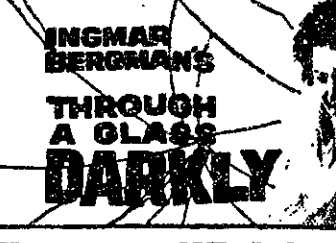
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Dramashop Production Is Excellent

THE TECH
WEDNESDAY, MAY 2, 1962
Page 9

MUSIC
Boston Recorder Consort, Elma Sherman, director, will give a benefit recital of early and modern music for WGBH. Dolores Fox, soprano; Peter Young, harpsichord and celesta; Mabel Houghton, English hand-bells; and Carol Marsh, viola ad gamba. BU School of Fine and Applied Arts, May 5, 2 p.m. No admission, but a collection will be taken.

Cammerata of the Museum of Fine Arts, Victor Matfield conducting, will present its final concert of the season, "Dances of the Italian Renaissance" with the Cambridge Ballet Theatre. Museum Lecture Hall, May 8 and 15, 8:30 p.m. Admission \$2, students \$1.

Chamber Music, featuring works of Pizzetti, Faure, Shostakovich, Schubert, Chausson, Hindemith, and Wolf, will be presented by BU music students. Concert Hall, 855 Commonwealth Avenue, May 2, 8:30 p.m. No admission.

English Consort of Viols will make one Boston appearance during their Spring tour of the United States, with "English Viol Music of the 17th Century." Museum of Fine Arts Lecture Hall, May 2, 8:30 p.m. Admission \$2.50, students \$1.50.

New England Conservatory Chorus, noted as a means for students to learn the discipline of choral singing, will present its eleventh annual concert at the Isabella Stewart Gardner Museum. May 6, 3 p.m. No admission.

LECTURES
Mark VanDoren, Pulitzer Prize-winning poet and distinguished literary critic, will speak on literature, accounting his current work as it relates to the art as a whole and to present-day society. David and Irene Schwartz Hall, Brandeis University, May 7, 8:15 p.m. Admission \$1.75.

LSO
Classic Series — "La Maternelle." Jean Bernoit-Levy's unforgettable study of the children in a Paris day nursery. Pathetic and humorous, tragic and full of warmth, it relates the story of an abandoned child, her insatiable need for mother love, transposed to a compassionate adult. Room 10-250, Fri., 6:30 and 9:00 p.m.

Entertainment Series — "Romanoff and Juliet." The daughter of the American Ambassador to Concordia falls in love with the son of the Russian Ambassador. The parents however, forbid their marriage for diplomatic reasons. Sandra Dee, Peter Ustinov, John Gavin. Kresge Auditorium, Saturday, 5:15, 7:30, 9:45. Admission 30c.

By Richard Hornby
It is unfortunate that this review comes out after Eugene Ionesco's *Amedee, or How to Get Rid of It*, Dramashop's major spring production, has closed. To those of you who didn't go, I can only say that you have missed an outstanding evening of theatre.

From the first act, it is Ionesco at his best. The bizarre is held to a minimum, making it most graphic and effective. We see an ostensibly dull, ordinary, middle-aged couple in their apartment (he is writing something while she is cleaning). Gradually we notice some oddities. Mushrooms grow in the living room. Amedee and his wife Madeleine have not left the apartment for fifteen years—they even haul in their food through the window in a basket. Amedee turns

out to be a writer of "social realist" plays, yet he is completely cut off from the world, while his wife has contact with the outside only through a weird job operating a switchboard in the living room. And one more little thing: there is a corpse growing in the bedroom.

By the end of the first act the corpse has grown so large that its feet (about four feet high) have burst into the living room. In the second act, Amedee and Madeleine in a series of discussions and arguments give clues as to what the corpse might be—perhaps the body of a young man who came to call fifteen years ago whom Amedee perhaps killed in a fit of jealousy; or perhaps the corpse of a baby that a neighbor once left with them. In a dream sequence Amedee and Madeleine appear as a newly-married couple. We learn that Amedee was once loving and romantic but that Madeleine killed his affection right from the start. Through a series of speeches full of sexual images (Madeleine cries "You're voice is so piercing. Don't hurt me. Sadist; Sadist!" etc.) we hear how she rejected his love. Gradually we are made to realize that the corpse stands for their dead love, poisoning their lives, growing worse, keeping Amedee from functioning as an artist or a human being.

At the end of the second act, Amedee and his wife have decided

"Amedee, or How to Get Rid of It," by Eugene Ionesco. Directed by Joseph Everingham, assisted by Helen Brumby. Sets designed by James Dorr '63. Lighting designed by Lawrence Valby '63. Costumes by John Leide '65.
Cast
Amedee Buccinioni . . . Michael Meeker
Madeleine, his wife . . . Joan Tolentino
Postman . . . Stanley Michalski
Concierge . . . Caroline Crawford
M. Victor . . . Ralph Wiggins
Amedee II . . . Roger Gans '63
Madeleine II . . . Selma Alperen
Soldier I . . . Leonard Rubenstein '63
Soldier II . . . Joseph Morlan '63
Bar-owner . . . Ronald Jansen '63
Mado . . . Norma Anderson
Man at the
Window . . . Gary Feldman '63
Woman at the
Window . . . Catherine Maher
Policeman I . . . Ralph Wiggins
Policeman II . . . James Laurino '60
Schoolgirl . . . Selma Alperen
Monk . . . Roger Gans '63
Woman in the
Crowd . . . Caroline Crawford
Man in the Crowd . . . Stanley Michalski

to get rid of the corpse; they drag it through the living room, onto the balcony, and outside (it is a good thirty feet long). Then, in the third act, with the corpse out of the house, the tone changes completely. What had become a horrible nightmare is now a pleasant dream. In the town square, where Amedee had dragged the corpse, the atmosphere is euphoric. Stars flash on and off; most of the people are pleasantly drunk or half asleep; gendarmes act like Keystone Cops. For the first time Amedee is able to establish contact with other human beings (he engages in a French lesson with an amiable American soldier); he becomes so ecstatic that he literally flies away, while the townspeople smile, wave, and call to him. Madeleine wants him to come back (the mushrooms are in bloom), but their deadly relationship is over; as music plays in the background he floats away, babbling happily of "social realism."

If the play has a flaw, it is the second act. There the play becomes verbal rather than theatrical. The long discussions might have interesting connotations on the printed page, but on the stage they can't compare with the solid reality of those huge feet sticking out of the bedroom. In becoming specific, the unifying image of the corpse actually loses meaning. Furthermore, the characters in the dream sequence, though well-played by Roger Gans and Selma Alperen, emerge as mere walking symbols. This might be all right, say, in a novel, but for such a scene to be theatrical it should show, albeit bizarrely or surrealistically, young Amedee and Madeleine as human beings.

But it is a wonderful production. Even in the second act my attention never wandered. (If it does, it is usually a good sign that something isn't happening on stage that should be.) Through the direction of Joseph Everingham, the cast is a perfect ensemble; each part no matter how small is clearly and imaginatively portrayed. The actors are relaxed; they relate to each other and they enjoy themselves. As Amedee and Madeleine, Michael Meeker and Joan Tolentino are indescribably good. As result of acting together in Dramashop for many years, they work beautifully with each other. They give characterizations that are simple, honest, and sincere; they show great imagination and endless variety without ever stooping to cheap hokum or striving for obvious effect that would be the temptation (and ruination) of most actors in this type of play. Sets by James Dorr and Lighting by Lawrence Valby are excellent. In particular they succeed in giving illusions of space on a very small stage. The many difficult technical effects are beautifully done on a stage poorly equipped or designed to do them. Three cheers for Dramashop! By all means go to their next production in the fall.

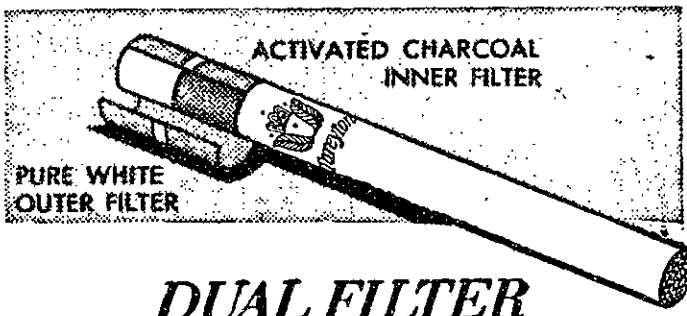
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music . . .

Techtonians Show Marked Improvement In Concert

Of all the musical clubs at MIT, the Techtonians have shown the most marked improvement over the past two years. This was evident Friday night when the Techtonians, under John Schatz, and Gary Berger's "Big Band from Harvard" presented "The Big Sound of Jazz" at Kresge Auditorium, a representative program of contemporary works and arrangements for big band.

The concert opened with four numbers by the Harvard Band: Shiny Stockin's (arr. Brian Cooke), Stockholm Sweetnin (Quincy Jones), Where am I (Benny Golson), and Where's Charlie? (Herb Pomeroy). Although displaying some excellent balance and dynamic control, the band seemed a bit nervous and as a result played a little too carefully, not really letting the numbers swing. This was no doubt due to the fact that this was their first major jazz concert. Their previous experience having been mostly dance work.

The Techtonians closed the first half of the concert with Aia Stan and Uptown Walk (Arif Mardin), Killer Joe (Golson), and All the Things You Are in a truly excellent arrangement again by Mardin. The band achieved a big band sound and feeling almost immediately, however, at the expense of full dynamic control and perfect intonation.

After the intermission the bands alternated numbers, the Techtonians performing Now Hear This (Marshall Brown), The Most Minor (John LaPorta), and African Waltz (arr. Ernie Wilkins). The Most Minor, an alto sax solo with sparse band accompaniment, was played quite ably by John Schatz. Despite some reed trouble, his excellent phrasing and general feeling for the work carried it beautifully. Harvard, in full swing by this portion of the program countered with excellent performances of Who's Blues (Phil Bova), Jessica's Day (Jones) and Nica's Dream (arr. Cooke). Mr. Cooke, who is also pianist for the Harvard Band, shows fine talent as an arranger, especially in Nica's Dream, and I hope to hear more of his work in the future.

The concert closed with the two bands joining forces under the direction of John Schatz for performances of 109 Station Road,

and Oh Those Martian Blues, from Vic Schoen's Suite for Two Bands. The work, conceived in 1958, is still unpublished, and the late arrival of the manuscript from California (the bands had time for only one combined rehearsal) unfortunately did not allow the preparation of additional selections. Aside from some minor difficulties with some of Mr. Schoen's musical ping-pong the performance was excellent, especially in light of the extremely limited rehearsal time. I, for one, even prefer their tempo on one, even prefer their tempo on one, even prefer their tempo on one, even prefer their tempo on one.

The two groups will combine again for a similar concert at Harvard on Sunday, May 13, at 1:00 p.m. in the courtyard of Eliot House.

Movie Schedule

- ASTOR — "El Cid." Eves. at 8:15, except Sun. at 7:30. Mat. Wed., Sat. & Sun. at 2.
- BEACON HILL — "Les Liaisons Dangereuses." 1:20, 3:25, 5:30, 9:35.
- BOSTON — "Onerama — South Seas Adventure." Eves. at 8:30 except Sun. at 7:30. Mat. Wed., Sat. & Sun. at 2:30.
- BRATTLE — "Cold Wind In August." 5:30, 7:30, 9:30. "Purple Noon" (starts Sun.), 5:30, 7:30, 9:30. Mat. Sat. & Sun. at 3:30.
- CAPRI — "The Children's Hour." No times available.
- EXETER — "Last Year at Marienbad." 2:10, 4:00, 5:45, 7:35, 9:25.
- FENWAY — "Through A Glass Darkly." 2:15, 4:01, 5:47, 7:33, 9:19.
- FINE ARTS — "Anatomy of Love." 2:15, 5:30, 8:40. "Two-Way Stretch." 4:00, 7:15, 10:00.
- GARY — "West Side Story." Eves. at 8:30. Mat. Sun. at 2:30.
- HARVARD SQUARE — "Murder She Said." 3:20, 6:40, 10:00. "Too Late Blues." 1:35, 4:55, 8:15. "The Green Carnation" starts Sun.
- KEITH MEMORIAL — "The Day the Earth Caught Fire." 1:00, 3:55, 6:45, 9:55. "Six Black Horses." 2:30, 5:25, 8:30.
- KENMORE — "Carry On Nurse." 2:30, 5:40, 8:45. "Doctor In Love." 1:00, 4:05, 7:10, 10:10.
- LSC — "La Maternelle." Fri., 6:30 and 9:00. "Romanoff and Juliet." Sat., 5:15, 7:30 and 9:45.
- METROPOLITAN — "State Fair." 1:25, 3:55, 6:15, 8:30.
- PILGRIM — "Experiment In Terror." 10:50, 2:20, 5:50, 9:30. "Siege of Syracuse." 9:15, 12:45, 4:20, 7:50.
- SAXON — "Judgment at Nuremberg." Eves. at 8:15, except Sun. at 8:00.
- STATE — "The Lonely Sex." 1:00, 3:20, 5:58, 8:27. "Diary of a Naturalist." 2:14, 4:43, 7:12, 9:41.
- UPTOWN — "Exodus." 3:30 and 8:00 p.m. "Deep Adventure." 2:10 and 7:00 p.m.

Theatre Schedule

- CHARLES — "The Autumn Garden." Tues. to Fri. 8:30. Sat. 5:30, 9:00. Sun., 3:00, 7:00.

BULLETIN No. 14

SPRING 1962

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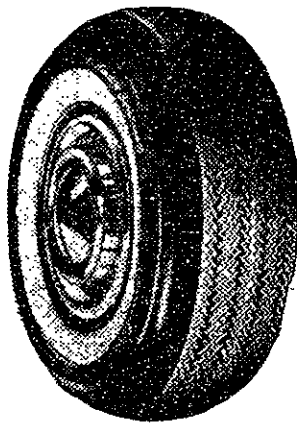
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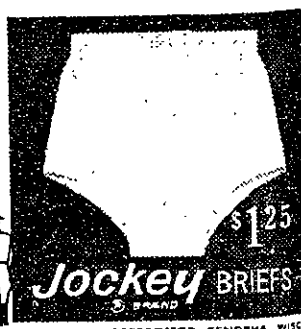
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Tech Coop

Random Observations

Double Life of Husband, Student Is Followed By 1400 Men At MIT

By Mary Gail Menzel
In the Report of the President 1961, recently published, one finds under "statistics of the Year" that married students now account for 4 per cent of the undergraduate enrollment and 46 per cent of the graduate enrollment at MIT. Assuming that in every case it is the husband who is the student and the wife his helpmeet (which may not necessarily be true — that is, as regards the division of labor, not the characterization "helpmeet"), we may conclude that over 1400 MIT men out of a possible 6300 are leading the double life of husband and student (or triple for those who are also fathers).

To accommodate the understandable desire for togetherness of these student-families, and in recognition of the scarcity of apartments off campus, the Institute has announced the projected construction by 1963 of a married-students' housing complex.

These interesting statistics, coupled with similar reports from other colleges and universities, may lead one to shuffle gingerly to the conclusion that college is no quite the refuge for the weekday scholar-weekend Casanova it once was. We may leave it to the sociologists to explore, or deplore, this trend; they may find it a ramification of the much-lamented practice of "going steady," or attribute it to the insecurity or impatience of a cold war generation, or possibly impute some less sinister-sounding motive to student marriages.

Aside from the universal reasons for marriage, which one might assume MIT men share with others, there are certain additional advantages to be gained from that hallowed institution for the student if he is discriminating in his choice of a wife. The most important caveat to be observed by the prospective husband is Can She Type? It is even advisable to administer a test of speed and accuracy to applicants if it is possible to do so in some devious way. Of course, the lucky girl's dowry must include a typewriter of reasonable vintage and condition, plus several spare rolls of ribbon. Secondly, she must be able to detect spelling errors in your manuscripts and correct them unobtrusively (also fill in omitted subjects, predicates or verbs when necessary.) A third attribute which may distinguish a really good wife from a merely adequate one is an aptitude with the slide rule, which will free you from tedious calculations. Also, some wives have been known to contribute to the family support by selling magazines door-to-door. (Good morning, sir! I'm working my husband's way through college...).

For the wife, MIT and Boston offer much in the way of lectures, concerts and other cultural activities while her husband is engrossed in his studies. On her arrival here for the first time, however, she will be delighted to find an organization of her sisters — the Technology Dames. This gallant band of 400 is probably the most charitable, most worthy and most dedicated group extant, with the possible exception of A. A. In fact, some of the functions of these two groups are similar in that many a Dames bridge gathering has evolved into a symposium of how to cope with the common problems of its members; the resulting boost in female morale is often transferred to husbands, and home atmosphere has been reported considerably cheerier after many a Dames meeting.

Dames, in addition to sponsoring lectures for its members on child care, weight reduction, art, history, home decorating, etc., has another important educational function. Is this congenial atmosphere, where letting-down of hair is rampant, the following recent question from a member is illustrative: "One thing has been bothering me since I married Joe. I always thought husbands and wives were supposed to have common interests. But... Well, What's an ohm?" Quickly reassured by veterans of their second or third year that such technical knowledge is not requisite to happy marriage, the questioner retired, fortified anew to face her role.

It has yet to occur to these ladies that by their size and common interests they could constitute a threat to the Institute if they organized as a lobbying group. But we may rest secure in the knowledge that they are essentially old-fashioned girls dedicated to the best interests of husband, children and MIT.

Looking Back...

75 Years Ago

About 20% of the freshmen at Yale use tobacco. This is about four per cent higher than the average of preceding classes.

50 Years Ago

Those who were fortunate enough to be in the Union last night heard the new victrola played for the first time and the new records tried out in such a satisfactory manner that not a single selection from the wide repertoire displayed by the Bursar was not appreciated, and everything from a duet by Caruso and Homer to the Ocean Roll was applauded by the enthusiastic students.

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- **MECHANICAL ENGINEERS**—for development projects on cryogenic process equipment, such as heat exchanger and low temperature distillation apparatus, high speed rotating machinery, with fundamental heat, mass and momentum transfer studies.

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UMass Wins In Overtime

Amherst Comes From Behind

Stickmen Edged By UMass, Amherst

It was a week of heartbreaking losses for MIT's Varsity Lacrosse Team as the club fell before University of Massachusetts 8-7 here Wednesday and 7-6 to Amherst Saturday.

The UMass game saw the Engineers jump off to a 4-0 lead in the first period as Wayne Matson '64, Phil Robinson '62, Greg Brown '62, and Bob Gray '64 found the mark. UMass came roaring back in the second period however with three goals to cut Tech's halftime lead to 4-3.

Fray Goes Into Overtime

In the third period UMass went ahead briefly on a pair of goals before Bill Dreiss took a Dick Lipps '64 feed to knot the score at 5-5. Midway through the final period UMass took the lead 6-5 but Matson won the faceoff after the goal, bored in, and tied the score 6-6 to force an overtime.

UMass Wins In Last Minute

After both teams went scoreless in the first 5 minute overtime, UMass grabbed the lead 7-6. John Prussing '64 retaliated midway through the second overtime to tie again 7-7. Then with a little over a minute to play UMass pulled it out for the 8-7 triumph.

Techmen Lose, 7-6

Saturday the stickmen were edged in another thriller. The Engineers jumped out to a 2-0 lead in the first period, stretched it to 4-1 at the half, only to fall before Amherst's five goal fourth period and lose it 7-6.

Matson opened the scoring for Tech by tallying twice in the first period, once unassisted and once on a Brown feed. Prussing and Robinson tallied for the Engineers in the second period to mount Tech's 4-1 halftime lead. Amherst scored early in the third period but Matson and Tony Weikel '63 netted goals to give Tech an apparently commanding 6-2 lead midway through the final period.

Then the roof fell in. The next six minutes saw Amherst net five goals and hang on to win 7-6.

This week's losses brings Tech's season record to 2-7. The Engineers play WPI tomorrow at 2:00 p.m. on the home field. Saturday MIT faces Bowdoin also at home.

Phi Gams Net Crown In IM Sailing Regatta By Nine Point Margin

By Dave Schlosberg

Last Thursday, the final day of the spring intramural sailing regatta, saw Phi Gamma Delta fatten their already comfortable lead by two points as they went on to win the spring regatta by nine points. Their Class A skipper, Hastings, was quite a bit off his usual form, but Class B skipper Strong made up for it by copping two seconds and a first. SAE widened their second place lead with their Class A skipper Bails turning in an excellent day of two firsts and a second. Unfortunately for them, Jordan could not match that record in Class B. In third, Grad House, through some good skippering on the part of McCandless and Glanville, overtook Theta Delta Chi, who had been two points ahead of Grad House going into the final day.

Final Spring Standings

	A	B	Tl.
1-Phi Gamma Delta	38	40	78
2-Sigma Alpha Epsilon	42	27	69
3-Grad House	37	28	65
4-Theta Delta Chi	23	34	57
5-Baker House	28	25	52
6-Phi Delta Theta	18	27	45
7-Theta Chi	20	15	35

Final Standings 1961-62 Season

	Pts.
1-Phi Gamma Delta	2
2-Sigma Alpha Epsilon	5
3-Theta Delta Chi	6
4-Graduate House	7
5-Phi Delta Theta	11
6-Baker House	16

Buying Pirated Textbooks Is Suggested By Professor

(Continued from Page 1)

stated that he had recently received a consignment of about a dozen pirated books.

Ed. note: Statements and interpretations of the laws applicable to the importation of pirated books have been solicited and received by The Tech from several governmental sources, and the situation should be completely clarified when these statements are compiled and presented in a future issue.

T-Club Lunch Sat.

The T-Club will be served lunches the Saturday of Spring Week-End, May 5. Price will be seventy-five cents per lunch, with sales starting after the float parade. Lunches will consist of hot dogs, potato salad, and cold drinks.

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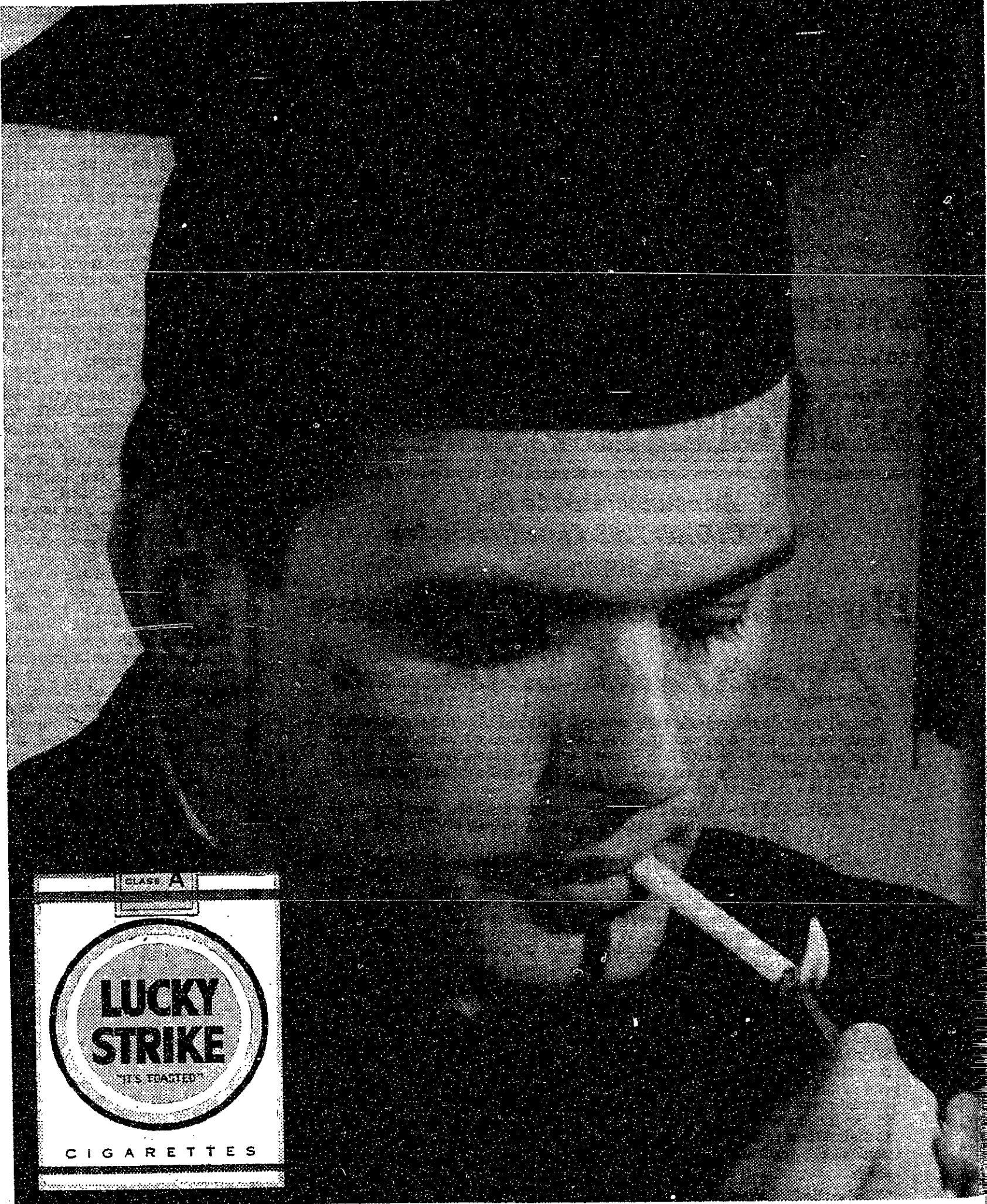
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Swamped Shell, Tennis Victory Top Week's Action

By Al Tervalon
Beginning with this issue, The Tech is presenting a new feature, Frosh Sports. Because freshmen sports usually do not get the publicity they warrant and since close to half of the members of intercollegiate athletic squads are freshmen, this column has been introduced to cover the gap in sports coverage that has arisen.

ing the ill fated 1st freshmen lightweight shell out of the water after the boat had been swamped at the start of its race and was unable to continue. For further information on freshmen crew results see article on page 16.

School. Roddy McCloud scored the single goal for MIT.

Cindermen Edged
Tech's frosh track team was edged out by Bowdoin Saturday. The Engineers were strong in the running events, the hurdles and 100 in particular. Ken Morash is high scorer on the team and places consistently in the high and low hurdles. Check the regular column for complete coverage.

Duffers Split Openers
The Frosh golf team has gotten off to a good start with a 1-1 record. They beat Governor Dummer Wednesday 5-5½-2½ using the Collegiate scoring system. Saturday the duffers lost 17½-18½ using the Prep School scoring system. John Simot and Ralph Ciccone are the present co-captains. Pete Lubitz had the overall low score for the two matches.

Tennis Team Wins
Returning to land, Ken Comey, Frank Jelenko and Phil Strause were the backbone of the tennis team on their road to victory over Amherst, 5-4. Comey, Jelenko and Strause each won their singles matches and then combined with Bill Tetrici in the doubles, taking two of the three doubles matches.

Frosh Nine Blanked
The only bright spots in the frosh baseball team's 20-0 loss to Harvard were two hits, one by Marty Goldsmith, the other by Mike Sutherland. Marty finished the day by pitching the last two innings. Dednesday the Engineers meet Andover, a local prep school.

Stickmen Fall
In other action, the lacrosse team lost 7-1 to Winchendon

Freshman athletic squads plowed through a heavy schedule this week in the midst of a bustling Parents' Weekend. The tennis team and the third freshman lightweight crews were the only winning squads. Lacrosse, track, baseball, golf and other frosh crew teams fell victims to their opponents.

Lightweight Shell Sinks
However, with all the excitement, two MIT frosh, Wayne Haase and Dave Bitterman, managed to make the front page of the Boston Sunday Herald's sports section. They were pictured pull-

Management Decisions Subject Of Convocation

Industrial management in a world of rapidly changing patterns, traditions and processes will be examined in detail by nearly 400 industry and business leaders and educators during a convocation at the MIT School of Industrial Management Friday and Saturday, May 4 and 5. The occasion, directed by Peter P. Gil, now head of the SIM Executive Development Board, will be the 10th biennial Convocation of alumni of the School's graduate programs for executive development. Speakers will range from such subjects as the new role of government in the conduct of business and industry to the part that future computing machines will play in the management of large-scale operations.

According to SIM Dean Howard W. Johnson, the Convocation theme—"Management Decisions in a Changing World" was selected because "change is the mark of our time."

"This is the challenge to the manager: to adapt, to innovate, to make sound and responsive decisions at the precise moment of opportunity."

Tennis Team Picks Up Second Loss Of Year In Amherst Match, Sat.

MIT's Tennis Team dropped its second match of the regular season last week by falling to a strong Amherst squad, 7-2. This brings the Engineers official season record to 3-2, while the overall mark for the year stands at seven wins and three losses.

Aasnaes Wins 9-7, 7-5
At number one singles, Bent Aasnaes '63 continued to dominate play over opponents by edging Amherst's James Allen 9-7, 7-5 in two hard fought sets.

Charles Heinrich '62 dropped his match to Amherst's number two man Jack Walder. The score was 6-3, 6-4.

Tech Drops Singles
Tech's losing streak continued as Nick Charney '62, Marty Ormond '64, Jerry Adams '62, and Terry Chatwin '63 all fell to their Amherst opponents.

MIT Takes 1st Doubles
In doubles play the combination of Aasnaes and Heinrich finally reversed the tide by topping their Amherst opponents 6-2, 7-5. However, the Techmen dropped their number two and three double matches with Charney and Bill Blumberg '64 losing 6-1, 6-1; while the team of Chatwin and Franzi fell 6-2, 6-4.

Drop Unofficial Singles
In two unofficial singles matches Giovanni Franzi '64 was edged by Amherst's Fred Sadler 6-2, 7-5. Also Blumberg dropped his match to Porter Wheeler 6-0, 7-5. Saturday, the Engineers face Coast Guard on the home courts at 2:00 p.m.

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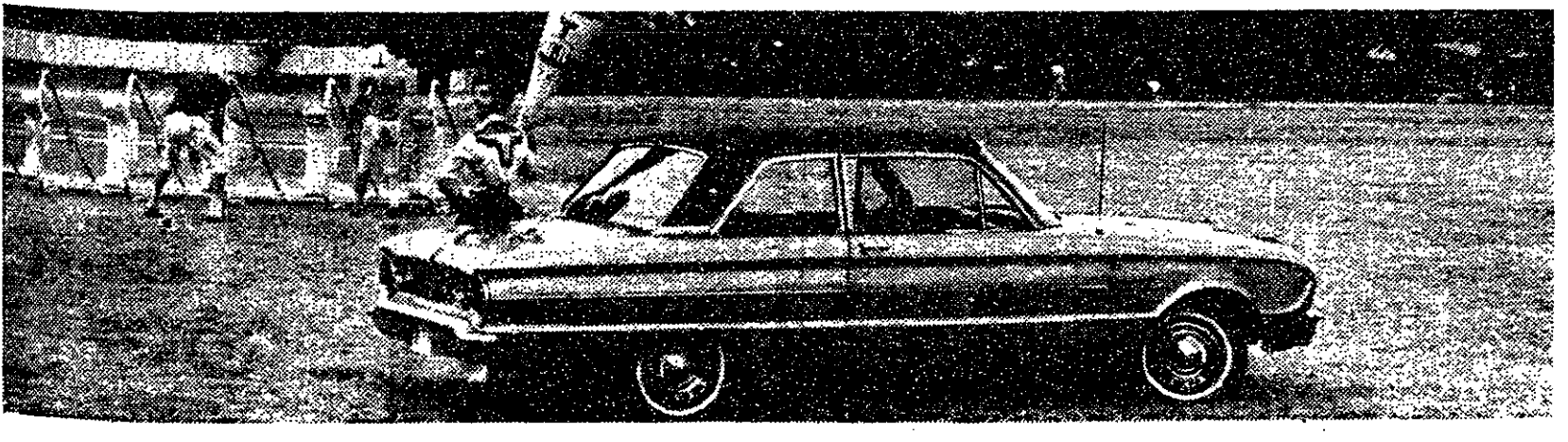


Brown-eyed Jessica Darling certainly is. She's also a cheerleader at the University of Texas in Austin.

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the rakish "Son of Thunderbird" roof can be covered in vinyl. No wonder all the liveliest student bodies are cruising the campus in the new Falcon Sports Futura. See it, and all the Lively Ones at your Ford Dealer's... the liveliest place in town!





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Goddard High Scorer Trackmen Fall To Bowdoin

By Mike Oliver

Last Saturday at Brunswick, Maine, the varsity track squad fell before an exceptionally tough Bowdoin squad. The Bears took 96 points while the Beavers could only manage 39. Several lifetime bests and other fine performances were turned in by the harriers but they were unable to turn the tide.

Goddard Leads Scoring

Tom Goddard, '63, again led MIT in the point totals with a victory in the mile and strong second in the two mile. Forrest Green, '63, turned in a fine performance in the 220 low hurdles to win with a time of 25.4 seconds. The only other first place for Tech was a tie for first in the high jump by Bill Eagleson, '64.

Ramo Strong in Weights

Al Ramo, '63, made a good showing in the weight events by placing second in the hammer throw and third in the shot. Gary Lukis, '64, also snared a second place in the pole vault while co-captain Steve Banks, '62, turned in a very good time in the 880 to capture a second.

Frosh Cindermen Edged

The freshmen fared slightly better but still lost to the Bowdoin frosh, 77 1/3-57 2/3. Ken Morash contributed an outstanding effort by winning the 120 high hurdles and the 220 low hurdles and also placing in two other events. Another dash man, Terry Dorschner, finished second with good times in both the 220 lows and the 440 yard dash. Dave Carrier leaped 20' 3 3/4" in the broad jump to collect a first for the little Beavers. Carrier also tied for first in the high jump. In the distance events Mike Oliver placed second in the mile and won the two, followed by team-mate Dick McMillin.

Sweep 100 Dash

In the 880 Dean Hubbard lost a heart-breaker, just being edged at the tape, and he had to settle for second. In a surprise performance, the MIT freshmen swept the 100 dash as Dick Sidell, Ken Harrow, and Dave Carrier finished in that order. Sidell also finished second in the 220.

How They Did

Baseball

MIT 5, Middlebury 0

Crew

Frosh Lights
Won by Harvard 9:10.8; 2, Dartmouth 9:56.6; MIT swamped, did not finish. Distance—One mile and 5/16ths.

JV Lights

Won by Harvard 6:01.8; 2, MIT 6:12.2; 3, Dartmouth 6:35.5. Distance—One mile.

Varsity Lights

Won by Harvard 8:22.4; 2, MIT 8:33.5; 3, Dartmouth 8:58.5. Distance—One mile and 5/16ths.

Frosh Heavies

Won by Yale 4:44.2; 2, MIT 4:50.7. Distance—Three-quarters of a mile.

JV Heavies

Won by Yale 4:20; 2, MIT 4:24. Distance—Three-quarters of a mile.

Varsity Heavies

Won by Yale 5:59; 2, MIT 6:09. Distance—One mile.

Lacrosse

UMass 8, MIT 7
Amherst 7, MIT 6

Tennis

Amherst 7, MIT 2

Track

Bowdoin 96, MIT 39

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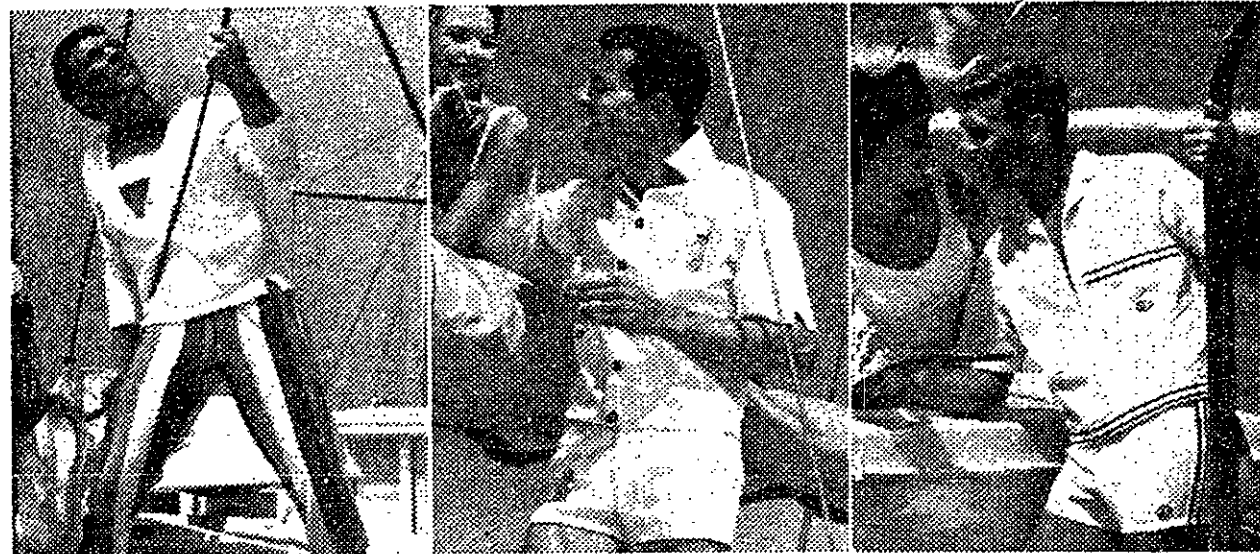
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THE TECH COOP

IM Softball Nears Finals

Action in intramural softball continued last weekend with nine teams still sporting unblemished records. In most leagues, races remained close. However, with only 28 games remaining, league titles could be decided by this weekend.

Three-Way Tie

In league I there has resulted a three way tie for first place. NRSA, Zeta Beta Tau, and Theta Delta Chi all post 2-1 records.

League Leaders Undeclared

In contrast, the leaders of leagues II through VIII are all undeclared. Burton 'A', East Campus, Grad House, Kappa Sigma, Sigma Alpha Mu, Alpha Epsilon Pi, and Sigma Alpha Epsilon are all 2-0, while Graduate Management Society hold 2-0 marks.

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Weekend Softball Scores

FGD 17, TDK 5
Para Caf 11, SPE 10
GP 9, PBE 7
CL 18, SK 17
PBE 17, Bak D 8
KS 7, PKS 0
Atom 7, PFP 0
PSK 19, Bak C 7
AEP 19, Sen 3
Burton B 17, DKE 3
Burton A 7, Sen B 0
Grad 19, PKS 4
SAM 7, Atom 0

IM Softball Standings

League I		League II		League III		League IV		League V		League VI		League VII		League VIII	
W	L	W	L	W	L	W	L	W	L	W	L	W	L	W	L
2	2	1	1	3	2	0	1	3	2	3	2	2	2	2	2
ZBT	1	Burt A	1	East	3	Grad	3	SAM	3	AEP	3	GMS	2	SAE	3
NRSA	2	PC	2	Burt B	2	KS	3	Atom	2	CL	2	GHDS	2	CP	2
TDK	2	TEP	1	LXA	1	PKS	1	FLP	2	Sen A	1	ATO	2	Bak D	1
PKT	1	SPE A	1	DKE	0	2/DTD	0	SPE B	0	Stu	1	PSK	1	PBE	1
PMD	0	Sen A	0	Bak A	0	2/TC	0	PDT	0	SC	1	Bak C	0	TX	0

MIT's baseball team split its two games last week by topping Middlebury 5-0 while losing to Tufts 18-3

Haney Allows 4 Hits

Saturday's game against Middlebury saw Tech bring back a 5-0 victory behind the four hit pitching of senior captain Mickey Haney at the visitors' field. The only threat by the Middlebury club came in the fifth frame when the lead-off hitter tripled. Haney forced the next two batters to ground out and then fanned the next to retire the side.

Scores On Wild Pitch

Pitcher Haney scored first for Tech when he trotted home from third on a Middlebury wild pitch in the second. In the third the Engineers loaded the sacks with Bill Bloebaum, John Costello and Bob Yanus. Don Alusic hit a long fly ball and the sacrifice, coupled with a throwing error, scored Bloebaum and Costello.

Ferrari Drives In Run

Yanus scored on a single by Len Ferrari and Tech's lead in the game increased to 4-0. The final run came in the eighth when Larry Demick, after singling,



Al Loss, AEPi, blasts a homerun late in Saturday's IM softball contest between Senior House 'A' and AEPi. The AEP's went on to rout Senior House 19-3 behind the two-hit pitching of Tom Morgenstern.

—Photo by Conrad Grundtner

scored from third on a sacrifice fly off the bat of John Costello.

MIT Falls To Tufts

Tuesday, Tech's diamond squad went down to an 18-3 defeat at the hands of powerful Tufts. The Jumbos capitalized on 15 walks given up by Bob Yanus, Henry Nau and John Prather, and eight miscues in the field.

Tech was scheduled at Harvard

on Tuesday and will add to the festivities on Spring Weekend by hosting the Coast Guard Academy at a doubleheader. Action gets underway at 1 p. m.

MIT		Middlebury	
ab	r	ab	r
Ferrari, cf	5	Dyson, 3b	4
Sikes, 2b	6	White, ss	4
Demick, 3b	2	Weekes, p	4
Bloebaum, c	2	Warner, lb	4
Haney, p	2	Vernon, c	4
Costello, cf	2	Cox, lf	3
Yanus, lf	4	Rapp, 2b	3
Alusic, lb	2	Apfel, cf	3
Adamec, ss	2	Young, rf	2

Totals	28	54	3	Totals	31	05	0
MIT	0	1	0	3	0	0	1
E—Demick, Dyson, Warner, Young.							
3B—Cox, SP—Remick, Rapp, BOB—							
Haney 1, Weekes 8, SO—Haney 2,							
Weekes 4.							

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Golfers Drop Matches To Tufts, Wesleyan; Record Now At 3-5

Tech duffers closed their second week of intercollegiate action last Friday by losing close matches to Tufts and Wesleyan by identical 4-3 scores. These results brought MIT's Golf Team to a mark of three wins and five losses.

MIT Over Bowdoin

In earlier matches MIT topped Bowdoin and Springfield 4-3 and 7-0 respectively in a triangular meet. Facing three other squads in quadrangle competition, the Engineers trounced Trinity 6-1 while losing to Williams 5-2 and Colby 4-3.

Gamble Splits Match

Last week's Tufts, Wesleyan meet was a close one right down to the wire. Chuck Gamble '62, captain of the Tech squad, finished the eighteenth with a score of 77. This was good enough to beat his Wesleyan opponent, but too high to claim victory over Tufts' Barry Bruce, who had the low score of the day with a 73.

Hull, Lindenmeyer Sweep

In other matches, Alden Foster '62 lost to both opponents, Bill Lakin '64 split his match 1-1, Neil Hull and Len Lindenmeyer topped both of their opponents with 2-0 victories, while Mike Fenson '63, and Glen Stith '64 failed to beat either of their adversaries.

The Massachusetts Audubon Society says the common moonrat, a cousin of the hedgehog, has an odor like an onion that makes its enemies keep their distance.

Career Cues:

"The broader your knowledge, the greater your chance of success!"

Edwin J. Ducayet, President
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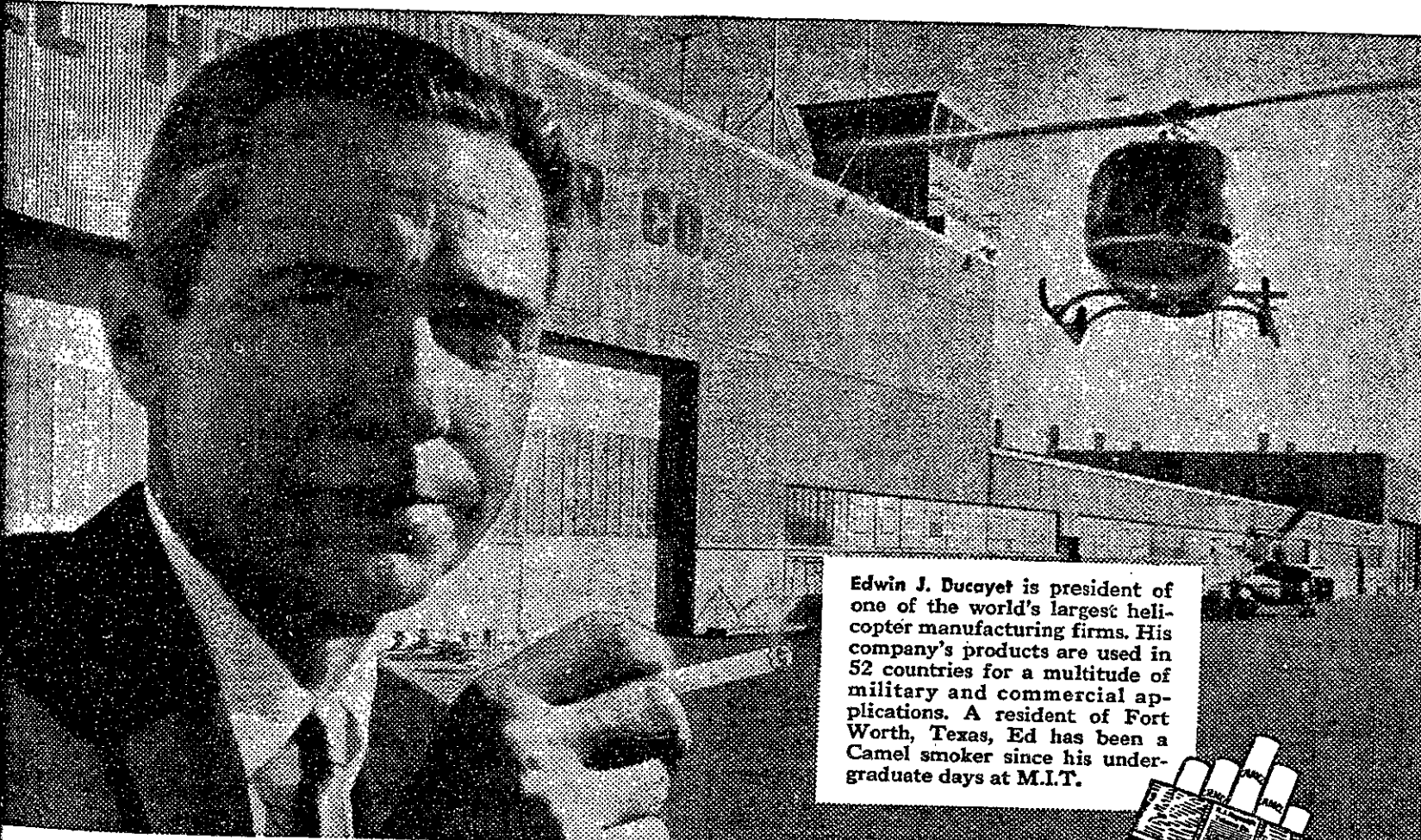
"As I look back, graduating from college in the depth of the depression was a blessing in disguise. It was difficult to get a job, and even more difficult to hold it. It proved to me early in life that to succeed in business requires constant struggle.

"I found that the truly successful individual never stops learning, that a formal college education is the foundation on which we continue to build the knowledge and experience required to get ahead.

"Even in today's age of specialization, a man eventually reaches a point where breadth of knowledge is necessary. The engineer must understand accounting and marketing. The marketing man must know his product. The financial man must be sympathetic to engineering development and sales programs. Management must have a working knowledge of all phases of the complex and highly competitive business world.

"Therefore, even though specializing, a student should make his college curriculum as broad as possible, and diversify his outside activities. Authoritative surveys have shown that only a small percentage of individuals end up in the field in which they specialized in college.

"Widen your world. Broaden your interests right now. Since graduation from college I've discovered that those who are really succeeding today are the ones who do more and keep on learning from what they do. The broader your college interests are now — the steadier your ladder of success tomorrow!"



Edwin J. Ducayet is president of one of the world's largest helicopter manufacturing firms. His company's products are used in 52 countries for a multitude of military and commercial applications. A resident of Fort Worth, Texas, Ed has been a Camel smoker since his undergraduate days at M.I.T.



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Good Until June 30, 1962

Tech Crews Stopped By Yale, Harvard, Weather



The bow of Dartmouth's Junior Varsity Lightweight Crew Shell is pulled from the water during Saturday's competition on the Charles. The Big Green's shell was rammed by a launch attempting rescue operations after the boat was swamped in the choppy river.

By Sandy Wagner
The biggest rowing day in years—36 shells in 14 races—was almost completely ruined by high winds which caused two shells to sink and all races to be shortened on the Charles Saturday. And with the adverse conditions came a complete reversal in Tech's previous 13-race winning streak.

River Calm Early
After a morning of ideal rowing conditions a stiff headwind developed in the afternoon and three feet high waves in the basin marred the rest of the day. Early in the day MIT's third frosh lightweights beat their Harvard counterparts and the third varsity lights topped the Crimson and Dartmouth in an amazing time of 6:41 for the Henley distance. The second freshman lights were barely edged out by Harvard and the second and third freshman heavies also lost to them.

MIT Crews Trail
In the shortened afternoon races Yale beat Tech by comfortable margins and the order of finish in all the lightweight races was Harvard, MIT, Dartmouth, with the Big Green consistently quite far back from the first two. In three other races Harvard topped BU and Rutgers.

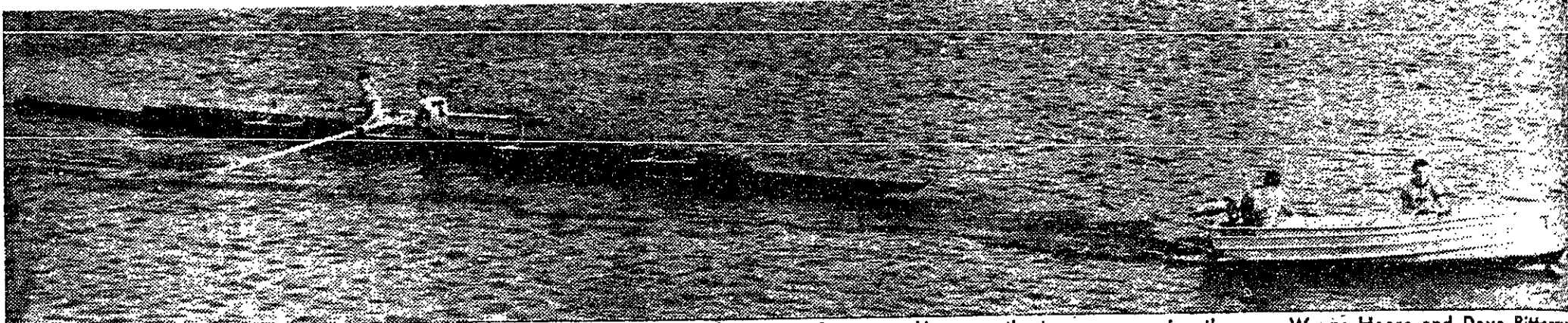
Lightweights Swamped
In the first event in the bad afternoon conditions, the MIT frosh lightweight shell started off

with several inches of water in it and sunk before taking thirty strokes. Dartmouth and Harvard managed to finish the 1 5/16 mile course but in times more than two and a half minutes slower than those recorded in the morning.

Dartmouth Shell Rammed
Just before the next race—the JV lights—the Dartmouth shell sunk at the starting line and was split in two by an MIT launch attempting the same rescue operation just accomplished with the Tech frosh. The afternoon's schedule was then postponed indefinitely.

Distances Cut
All races were run later, but over severely shortened courses. The varsities went a mile and the others raced from the Harvard Bridge, a distance of three quarters of a mile.

Heavies at Princeton
Next week the heavies travel to Princeton to meet Harvard, Dartmouth, and Princeton, all for the first time this season. The surprising Tigers have beaten Navy this year but last Saturday were upset by an equally amazing Columbia eight which has lost to MIT. The lightweights have a chance to prove themselves as they face Cornell, conqueror of Harvard, and Columbia on the Charles. (See 'How They Did' for statistics.)



MIT's Freshman Lightweight Shell crosses the finish line 30 minutes after the start of its race. However, the two men manning the oars, Wayne Haase and Dave Bitterman were not alone in their efforts. A motor launch was pulling the flooded shell into dock after the boat was swamped at the start of its race —Photo by Boyd Estlin



Tech's JV trails the Yale shell by close to a length as the two shells go over the line. Yale took this race in addition to its victories in varsity and frosh.

4 Events Postponed

Betas Lead Field In Track Competition

Rain halted Saturday's intramural track meet with four events remaining. The 100, 220, 440 and low hurdle finals were postponed until Sunday, May 13. Going into these final events, Beta Theta Pi, last year's winning team, held a commanding lead over the 18 competing squads.

Two Records Set

Before the rain, two records were set with Kim Sloat, Delta Upsilon, heaving the shot put 48'-5 1/2" and Tim Wells, running unattached, striding a 4:56.6 mile.

Beta Theta Pi, inspired by Tom Gerrity '63, led the field of 18 entries. Gerrity took second in the broad jump and first in the 880 yard run while the Beta 880 medley and 880 relay teams each placed first. Gerrity also had the best time in the 440 yard dash trials.

Pat Dawe, Delta Upsilon, scored a win in the 80 yard high hurdles and will take the fastest time for the 120 yard low hurdles into the finals on May 13. Dave Koch, Beta Theta Pi, repeated last year's performance by taking first in the high jump at 5'6".

IM Track Team Scores (four events not included)

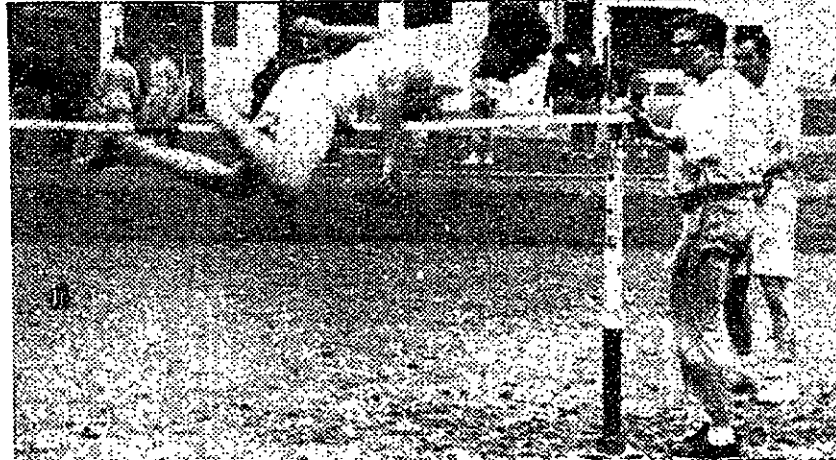
- 1—Beta Theta Phi
- 2—Sigma Phi Epsilon
- 3—Sigma Alpha Epsilon
- 4—Delta Upsilon
- 5—Alpha Epsilon Pi
- 6—Student House
- 7—Phi Delta Theta
- 8—Baker
- 9—Burton
- Lambda Chi
- Sigma Nu

Seven other teams had no score.

Records In Shot, Mile Set

- High Jump**
Koch, BTP—5'6"
Burns, SAE
Framers, DU
Heister, SPE
Whensky, ASEP
Cooke, SAE
Quatt, DU
(last 5 tied for 3rd)
- Broad Jump**
Reinhardt, SPE—18'11 1/2"
Gerrity, BTP
Groninger, BTP
Meyer, SN
Mann, LCA
- Shot Put**
Sloat, DU—48'5 1/2"
Kluger, AEP
Lee, PDT
Butler, SAE
Svahn, LCA
- High Hurdles, 80 yards**
Dawe, DU—10.4
Groninger, BTP
Heister, SPE
Burns, SAE
QUATT, DU
- 880 yard Run**
Gerrity, BTP—2:16.1
Burton, SPE
Cannell, Student House
Wakeman, Burton
Falk, AEP
- Mile Run**
Wells, unattached—4:56.6
Wachtel, Baker
Miler, BTP
Frederickson, BTP
Matlin, AEP

- 880 yard Relay**
Beta Theta Pi (Koch, Reinhardt, Carpenter, Koch)
Sigma Phi Epsilon
Student House
Alpha Epsilon Pi
Sigma Alpha Epsilon
- 880 yard Medley**
Beta Theta Pi (Koch, Ross, Reinhardt, Koch)
Sigma Alpha Epsilon
Sigma Phi Epsilon
Phi Delta Theta
Delta Upsilon
- 100 yard Dash Trials**
Selig, East Campus—10.0
Reinhardt, SPE
Broddy, Baker
Weiner, Baker
Svahn, LCA
Haar, SAE
- 220 yard Dash Trials**
Stark, SN—24.5
Kurtz, AEP
Bray, DTD
Queneey, SAE
Carpenter, BTP
Schiffeld, DTD
- 440 yard Dash Trials**
Gerrity, BTP—55.7
Falk, LCA
Burton, Baker
Heister, SPE
Stark, SN
Chinchillo, NRSA
- 120 yard Low Hurdle Trials**
Dawe, DU—14.1
Groninger, BTP
Heister, SPE
Busck, SN
Burns, SAE
Brostoff, ZBT



Early qualifier in high jump at Sunday's IM Track Meet goes over the bar at low height. Dave Koch, BTP, went on to win this event with a jump of 5'6". —Photo by Conrad Grundelner

On Deck

Today, May 2	Tennis (F) — Exeter, Home
Baseball (F) — Andover, Away	3:00 P.M.
Golf (F) — Harvard, Home,	Track (V&F) — Columbia, Bra-
2:00 P.M.	deis, Andover, Home, 1:15
Tennis (F) — Milton Academy,	P.M.
Home, 3:00 P.M.	Monday, May 7
Track (F) — Moses Brown, Away,	Tennis (V&F) — Brown, Awa-
3:00 P.M.	3:00 P.M.
Thursday, May 3	Tuesday, May 8
Golf (V) — Boston University,	Lacrosse (V) — Tufts, Home
Babson, Away, 2:00 P.M.	3:30 P.M.
Lacrosse (V) — WPI, Home,	Lacrosse (F) — Tufts, Awa-
3:30 P.M.	3:30 P.M.
Saturday, May 5	Track (V) — Greater Boston Med-
Baseball (V) — Coast Guard (2	at Brandeis
games), Home, 1:00 P.M.	
Baseball (F) — Exeter, Home,	
3:00 P.M.	
Crew (HV) — Compton Cup —	
Princeton, Harvard, Rutgers,	
at Princeton	
Crew (LV) — Geiger Cup —	
Columbia, Cornell, Home	
Lacrosse (V) — Bowdoin, Home,	
2:00 P.M.	
Lacrosse (F) — New Hampshire,	
Home, 2:00 P.M.	
Tennis (V) — Coast Guard,	
Home, 2:00 P.M.	

OTHER SPORT STORIES

Pages 14, 15

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