

MIT Hosts Parents for Weekend

By Chip Goldblum, '63

A formal but personal welcome we now extend to all parents attending MIT's third biannual Parents' Weekend. Impressed by MIT? Probably so; most people are, even before they see it for the first time. But during the course of the weekend, it is the aim of the Parents' Weekend Committee to acquaint you with the way your son lives and learns here, rather than to continually expose you to an infinite number of demonstrations a perpetual tour of the MIT physical plant. While this might be entertaining for the more energetic parents, what we want is to present an overall and simultaneously personal look at MIT,

which, unfortunately, cannot be fully realized in a brief weekend. The program as planned, however, touches upon enough high points so that the parent who keeps this purpose in mind can derive much more from his visit than a tour of a scientific institution.

Your very broadest look at MIT will be, as it is for us, the students, in its people. Nationalities and personalities are as many and yet as varied as so many snowflakes, and throughout your stay this will become increasingly evident. The broadest single unit which unites the entire Institute on an academic level is the lecture. It is universal to every department, every course;

it is typical of the approach to a subject, often a highly technical one, which characterizes the MIT teaching method. An attentive mother or father may detect the air of realism evinced by a small core of sleeping students in the front row.

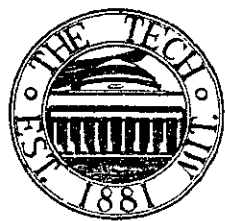
To descend one level from generalities toward specifics, the parent attends a luncheon at which some dividing lines are drawn between "technology" and its major composite parts. A broad basis is still maintained, although there is a trace of rudimentary specialization in the luncheons' atmosphere.

The narrowest view of any part of the Institute which can be attained in this short weekend is that of the individual department — the field that the son has tentatively chosen for his life's work. Very close contact is permitted in this realm: questions, discussions, demonstrations, and informality are the order of the day. Faculty members and students alike are willing to discuss courses, eventual and immediate goals, and the value of particular work to the student's overall education. (We have learned that shyness in asking questions is a serious drawback; we advise our parents similarly.) The entire narrowing process is climaxed Saturday night in a broad, sweeping address by Dr. James R. Killian, Jr., Chairman of the Corporation.

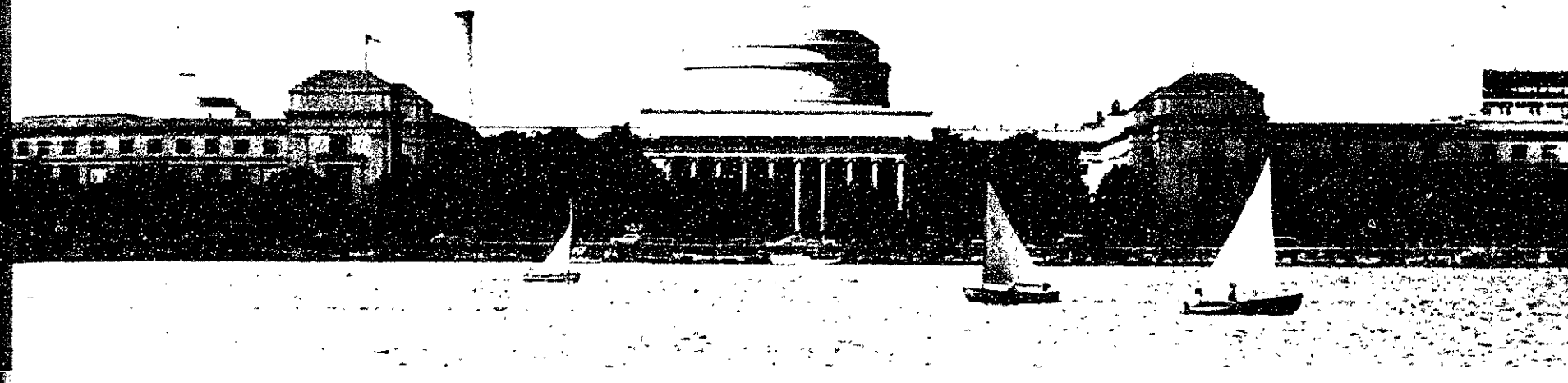
Parents will also discover varying angles of broadness with which to view their son's social life and environment. A visit to an individual dormitory or fraternity house is followed by an all-Institute tea at the home of Dean Frederick G. Fassett, Jr.

(Continued on page 7)

The Tech



NEWSPAPER OF THE UNDERGRADUATES OF THE MASSACHUSETTS INSTITUTE OF TECHNOLOGY



VOL. LXXX No. 16

CAMBRIDGE, MASSACHUSETTS, FRIDAY, APRIL 22, 1960

5 Cents

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Grand Auction Highlight

Queen To Award Prizes For Top Booths

The APO Carnival this Saturday night features many novel booths. Chi Phi is featuring a booth with a miniature golf course where the ball is shot around the course with a water pistol. Delta Upsilon will sponsor a large booth featuring a test of strength, swing the hammer and try to ring the bell, and an osculation meter. Kappa Sigma will allow carnies-goers to wreck an old car with a sledge hammer, while Senior House will tell fortunes. Trophies and prizes will be awarded the top three booths in number of tickets taken in. The Queen finalists will select the most unusual booth which will receive a plaque.

The queen will reign over the Carnival and will present the trophies to the winning booths.

After the Coronation of the Queen at 9:15 P.M., three

See page 7 for photos of the Carnival

"dinners for two" at the "Chez Freddie" will be auctioned off to the highest bidders. The meals will be cooked by Dean Frederick G. Fassett on a hot-plate. Waiting the meal will be Mr. Raddochia, Manager of Walker Memorial.

Professors Auctioned

The night's Grand Auction will come at 11:20. Professor Ted Wood will be auctioned off to a living group to provide entertainment at a party. Another high bidding couple will be photographed by Professor Edgerton. Some bewildered student will be able to purchase the assistance of Professor Clifford Shull of the Physics Department.

APO Elects New Officers

The new officers of the Alpha Chi chapter of Alpha Phi Omega Fraternity are Marty Falxa, President; Jerry Winston, Membership Vice President; Dick Naylor, Service Vice President; Bruce Fisher, Social Vice President; Ben Gunter, Treasurer; Jack Solomon, Recording Secretary; Jeffrey Gruter, Corresponding Secretary; Henry Bowman, Alumni Secretary; and Pete Van Aken, Historian.

Five Finalists Chosen

Activities Plan Exhibits

Ships, trains, rockets, and modern art will be on display this Parent's Weekend. Though such exhibits are common at MIT, the combination of such fine ones is rare.

Trains in Building Twenty

This Saturday will see the Annual Open House of the Tech Model Railroad Club. The forty members of the TMRC run one of the largest and most elaborate systems in New England. Their layout includes over a tenth mile of HO gauge track, hundreds of cars, dozens of engines. An automatic system keeps track of which operator is running which train and tells the operator what the track conditions are ahead of his particular train. It enables five different trains to run at the same time over the main line tracks and four yards to operate simultaneously.

Space Exhibit in Seven

The Lobby of Building Seven holds an exhibit compiled by the Department of Aeronautics and Astronautics, designed as part of the freshman orientation program. It shows the work of the Space-age course.

Art in Library

Art by Afro hangs in the gallery of the Hayden Library. Widely acclaimed, the fifteen oil and three charcoal ink works by the Italian have been described as color Rorschach tests. The least expensive can be had for a little more than two years' tuition.

In the corridor outside the gallery are works by students. They are from "Visual Design Problems," a course in Humanities. With the student work hangs some of the intricate designs of crystallography done by Marc-Antoine-Augustin-Gaudin.

Ship Museum in Five

In Building Five, whose portals are flanked by giant anchors, is the Francis Russell Hart Museum. The evolution of Ship Building, portrayed in precise scale models, is the present exhibit.

Photographic salon prints are being displayed in the basement of Building Three. They are the work of John Fish, F.P.S.A.

Choral Society; Glee Club; Orchestra, and Tectonians Present.

Four musical programs of note are scheduled for presentation in Kresge Auditorium this Sunday, April 24, and next weekend, April 30 and May 1.

At 3:00 P.M. Sunday, the MIT Choral Society will perform contemporary works of German composer Fritz Buchtger, with Mr. Buchtger conducting, and the Beethoven Mass in C. The Beethoven Mass, directed by Klaus Liepmann, will feature soloists Joyce McIntosh, Ruth Sullivan, Donald Sullivan, and David Ashton. Tickets (\$2.00, reserved; \$1.50 unreserved) may be obtained from the MIT Music Office, ext. 3210.

At 8:30 Sunday night, the Tectonians, MIT's jazz musicians conducted by Arif Marden, will present a concert of contemporary music. The group will present modern arrangements of old favorites, as well as a selection of compositions by Mr. Marden. Admission is free.

On April 30, at 8:30 P.M., John Corley will conduct the MIT Symphony Orchestra in Torelli's "Sinfonia con Tromba for Trumpet and Strings", Brahms' "Concerto for Violin, Cello, and Orchestra", and Tchaikovsky's Symphony No. 4. The concert is open to the public without charge.

OFFICIAL NOTICE

Summer Session Registration Material Registration material for the 1960 summer session will be available on Monday, April 25, at the Information Office.

The registration forms must be filled in and returned to the Registrar's Office, Room 7-142, by Wednesday, May 18.



Julie Weber, Edgemont High, Date of Robert Taylor.
— Photo by Marshal Lewis Assoc.



Ann Turner, Lasell, date of Gerald Staak.
— Photo by Lincoln Studio



Julie Davis, Garland Junior College, date of Chip Goldblum, Delta Upsilon.
— Photo by Harding Glidden Studios



June Rea, Mass. General, date of Tom Isaacs.



Kay Haitzuka, Lesley College, date of Hal Yang.
— Photo by Goldtone Studios

The Tech



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

VOL. LXIX April 22, 1960 NO. 16

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Letters: Dean Brown, NDEA, Co-Eds, Voo Doo

The first letter today refers to a THE TECH editorial in which the comment was made that Dean Gordon S. Brown might very possibly be dismayed at one comment by MIT's President Stratton in a speech to the student body. The Dean of the School of Engineering replies:

TO THE EDITOR OF THE TECH:

Nothing could dismay the Dean of Engineering less than President Stratton's statement at his lecture . . . when he said, "we must not pay too high a price for engineering science." For several years the Dean has taken the position that engineering science must not become the sacred cow of engineering education. Engineering science as an intellectual abstraction is sterile. The challenge we have here at MIT is to weave a strong scientific base into an educational program that is truly engineering — that will exhibit the purposefulness of engineering in exploiting science. In other words, put science to useful, practical ends in the real world.

The task is not easy. Currently we are strengthening the regular curricula of certain engineering departments, and are initiating Science and Engineering Options in others. As a positive step toward strengthening our students grasp for the down-to-earth aspect of engineering we are initiating new laboratory programs where students can work on comprehensive engineering projects of their own choice.

A contraction in the number of departmental undergraduate curricula appears both desirable and probable, but it can only come about by evolution as profitable new themes emerge. In a search for these themes we are striving to establish in the MIT environment engineering manifestations of science, which will foretell of new industrial horizons. Achievement of these goals calls for new facilities and new themes of interdisciplinary endeavor by the faculty. Hence, a concerted effort is underway to establish research centers in fields such as materials, energy and structures. Here both faculty and students will come to grips with problems in engineering. The character of the activities however, will be of a kind that can be tackled best by workers who are knowledgeable in the varied fields of modern science, and who are possessed with the urge to direct this knowledge to some useful, practical purpose.

These and other developments currently under way should enable our graduates more effectively to relate their knowledge of engineering science to the creation of products and engineering works of practical value in a world of rapidly expanding technology.

GORDON S. BROWN, Dean
 School of Engineering

Dear Sir:

Again there is a bill before the United States Senate for the repeal of the disclaimer affidavit in section 1001 (f) of the National Defense Education Act of 1958; and again it will be defeated if there is no large response from the students of the nation. Last year in voting against repeal many Congressmen stated that they had heard no complaint from the students who would be affected by the provision. Merely stating our opposition in informal "bull sessions" will not give our Congressmen the impression that we definitely object — only direct protest, by means of the mails, will accomplish this purpose.

For some reason unknown to me, MIT, one of the great powers of the collegiate world, has refused to take a stand on this most important issue. This does not mean that we, the students of MIT, cannot make our feelings known. Do we want to have a finger of doubt pointed at us as students

See Page Five

This issue of *The Tech* marks the inception of a page devoted exclusively to entertainment. We hope that this page will be received with enough interest to justify its continuation this term as well as in the years to follow.

We are very much interested to know your reaction to this new feature of *The Tech* and we will receive any comments with pleasure.

Parents!

The Tech is pleased to welcome the parents visiting MIT on this Parents' Weekend. We hope that you will use this issue of the paper as a guide to your weekend activities. The entertainment pages as well as the stories and information on the weekend's events at MIT should prove useful in this regard. We hope you'll attend as many of the functions as possible. If at any time you are wondering about anything, or are at a loss for information — try asking one of us undergraduates. We don't know as much as we ought to know about this place, and we act like we know more than we do, but there's still a good chance we'll be able to take care of your questions. So ask away if you're in doubt, and enjoy Parents' Weekend.

by this requirement of an affidavit stating our *dis-belief* in subversive organizations? Must our *beliefs* be controlled by the national government of this country which prides itself in its "freedom of belief"?

I urge that the students of this school make known to their representatives in Congress their feelings on the issue, and that *The Tech* and even Inscomm follow the lead of Harvard's student government in supporting this letter-writing campaign.

GERALD J. HORNİK, 1960

The reason that MIT has not taken a public stand on this issue is that MIT students do not receive N.D.E.A. funds. However, Dr. Stratton has registered his personal dislike for the loyalty oath. (See THE TECH, Nov. 24, 1959) — ED.

Dear Sir:

We rejoice with the MIT coeds, present and future, over their new good fortune of an anonymous pledge for the construction of a women's dormitory. However, please permit me to point out one small error in the pertinent story appearing in last Tuesday's *The Tech*. While the proposed women's dormitory will be the largest, it will certainly not be the first on the MIT campus. This distinction already goes to MIT's Bexley Hall, next door to the Coop and behind the Chapel. That one wing of Bexley has been given over to the coeds will be readily testified by the remaining residents, married students and professors, who find it impossible to overlook the fact when continuously reminded by shrill, girlish exuberance pouring forth at 2:00 A.M. and by bands of predatory bongo-banging and guitar-whanging males at 4:00 A.M.

Perhaps I may go so far as to suggest that the anonymous bequest was the result of a popular subscription among the weary non-coed residents of Bexley?

Yours truly,

KENNETH B LARSON

Our COEDS entertain predatory males? Preposterous. — ED.

Sirs:

It was pointed out to us (as we would not be caught dead reading that scandal sheet of yours) that in your last issue you made several rash statements in reference to the most widely read and most influential publication on the MIT campus, *Voo Doo*.

Our first thought was that this was just another example of yellow journalism in action and, as such, should be ignored. However, upon reflection we decided to call your bluff and play your little game. Therefore, if your "International Tricycle Champion" dares show himself in the face of inevitable defeat at the hands of *Voo Doo's* ace driver, we will be more than happy to arrange a match. And, since you picked the weapons, let us pick the time and place — at 10:00 P.M. at the APO Carnival.

We are looking forward to seeing you there — if you dare show up.

Expectantly,

ROBERT G. NAGRO, Editor

Fresh from his triumphs at Le Mans, Sebring, Nassau and Churchill Downs, THE TECH's International Tricycle Champion has consented to make his first New England appearance at the APO Carnival this Saturday at 10 P.M. His only stipulation is that the track be cleared of alley cats. — ED.

faculty forum

This article is the third in a series written entirely by members of the MIT faculty and administration. Today's article is titled "Undersea Exploration," and is by Professor Harold E. Edgerton, well-known authority on strobelight photography.



Each time I look at a globe, I get excited again about the tremendous number of unknown things and facts that must be submerged under the oceans that cover more than half of the area of our earth. The best way to see what is going on would be to go down there in a submarine, like Captain Nemo, and have a look

Auguste Piccard's bathyscaphes have been taking observers on just such trips. Captain Georges Houot of the French Navy in the FNRS — III, for example, has made 70 dives in the Mediterranean, the Atlantic, and near Japan, as graphically described in the National Geographic Magazine, January, 1960. A team of American scientists, under the sponsorship of the Naval Research Laboratory, also made some 25 dives off the coast of Italy in 1958 in the Trieste. This bathyscapher was obtained by the U. S. Navy and after being rebuilt with a stronger steel sphere, made a world's record dive of 35,800 ft. to the bottom of the challenger depth, 200 miles southwest of Guam. Lt. Don Walsh who made the dive with Jacques Piccard, the son of Auguste, has described his trip in the February 15, 1960 issue of *LIFE* Magazine.

The French Navy is designing a new bathyscapher capable of diving to the bottom of the deepest ocean. There is no requirement for a deeper ship unless a new and greater ocean depth is found or a hole is dug, but the new vessel will undoubtedly be greatly improved so that she will be adapted for her tasks on geology, biology, oceanography, etc. at the bottom of the sea.

Bathyscapher Cameras

It was my privilege to design the flash photo equipment which was used on an early 15,285 foot dive of the FNRS III Bathyscapher off Dakar, Africa. The research committee of the National Geographic Society had given me funds to design, build, and send this camera equipment to France for use in the pioneering exploits of this deep-diving submarine. Later, I spent a month in Toulon studying the photography problem. From this study, additional external cameras were designed, which are now in use on the vessel. At the present moment, cameras and flash equipment are being designed, built and tested for both the Trieste and the new French Bathyscapher.

Electronic flash cameras controlled by pushbuttons at the observer's position are now standard equipment on both bathyscaphes. The photographs are one of the most valuable results of the dives, because they remind the observers of what they saw and enable others to see the actual scene at the bottom.

Electronic Flash Lighting

My first recallable experience with underwater photography was helping Dr. Newton Harvey with a camera to photograph deep-sea fishes about ten years ago. The new (at that time) electronic flash system of lighting offered a design which could take many photographs per lowering, as compared to the single-shot expendable flash bulb. Tremendous numbers of photos are required to get one good one when the shooting is at random.

The electronic flash system has the following advantageous characteristics: (1) Many flashes can be obtained from a lamp. (2) Conversion of electrical energy to light is efficient. (3) The color of light resembles daylight. (4) Control of the quantity of light per flash is possible. (5) The instant of starting can be controlled accurately. Most of these advantages are utilized in underwater photography, especially the first.

My chief interest in photography has been in the development of electronic flash lighting equipment. Since Dr. Harvey's visit, I have made more than a dozen underwater cameras with flash attachments. In this work it has been necessary to develop special cameras with specifications that are particularly useful in casings that must withstand tremendous hydraulic pressures.

I favor the "continuously running" camera, which cycles at a known rate, thus exposing photos above the bottom and at different levels. One design, as used for several years, takes photos at twelve second intervals for about three hours, while 100 feet of film goes through the camera, producing 800 pictures. New thin base "Cronar" film may enable the camera to expose double this normal number in one loading. A clock-driven switch is used to introduce a delay of up to two hours, and thus prevent the camera from starting until it is near the bottom.

Dynamic Photography

It occurred to Cousteau and the author, after carefully examining thousands of midwater photos in and near the scattering layer, that a fast-moving camera is needed to surprise the mobile creatures that inhabit the depths. We think that a camera hanging from a stationary ship finds itself in a sphere of water devoid of animals except those that have no capability of flight, such as medusae, siphonophores, etc. Very rarely, if ever, have we obtained photos of shrimp, squids, etc., the animals which can flee from the flashes.

In August and September of 1958, while off Monaco, Cousteau and Alimat devised a paravane, or drag, on the bottom of a camera to hold it down while the ship was under way. A few tests were made which showed encouraging results, such as a hundred shrimp on a dozen concurrent photos. A depth-recording system consisting of a pressure gauge records on the film the actual depth at which the photographs were made. It is my firm conviction that this fast-moving camera with a data-recording section will prove to be a useful tool for chasing fast and elusive animals.

Data Cannot Be Lost

The latest model of camera will have a data-recording chamber in the camera to indicate on the film the depth (pressure), time (photo of a watch), and a data card with position, data, etc. This type of data becomes of greater importance as the number of films is increased, since it reduces the danger that films will be mislabeled or data lost. If the data are on the film, they will always be there.

Libraries of photographs of the bottom of the oceans are needed. Several such collections have been started for example, Dr. R. B. Hersey has several fine books with photos of the Blake Plateau which are available to all to study. Cousteau assures me that the Institute Oceanographic of Monaco will have a deep-sea film library. I am sure that exchanges of photographs will be commonplace in the future among the world's research centers, as modern explorers go forward with their task to discover the underwater world.

JOE
HARRINGTON
LOOKS
AT
LIFE



For MIT's budding interior decorators, **LIFE** this week provides an unprecedented 1½ square feet of colorful wallpaper, with a fold-out cover depicting tourists gaping at a Tennessee natural wonder. The cover ties in with a big photo essay tour of the deep South. **LIFE** provides a map and recommends eighty "must see" stops, plus side trips. Now I really doubt, with reading period only five weeks

away, that many Techmen are about to launch off on a big tour of the Sunny South. However, if you're interested in doing it vicariously, **LIFE** provides the means; also, the feature might prove of interest to those of you who live south of the Mason-Dixon Line, if you need a reminder of the weather back home, as you trudge through the Cambridge spring monsoons. Cheer up, though; remember the local rule of thumb, April showers bring May showers.

Big Space Week for U. S.: Russians Ominously Silent

Last week the U. S. scored impressively in the Rocket Derby. An underwater Polaris shot, the navigation satellite, and separation of payload from second stage in mid-space were the three big successes. Also, a test engineer in Springfield, Ohio, lived for seven days in a space capsule, sealed off from outside supplies of air and water, but able to wave, with a wan smile, at his family through a glass viewing port. Liquid wastes, **LIFE** notes, were made redrinkable by means of a tiny still; the engineer remarked that they tasted better than a lot of things I've drunk at cocktail parties." All is not rosy on the space scene, however; the C-119's failed again in their great game of "Catch the Capsule", and throughout all this the Russians were silent, believed preparing a Mars shot, or perhaps a manned satellite.

Leonard Hall On the Changing Face of U. S. Politics

One of the major politicians of our time, and the mastermind of Eisenhower's 1956 campaign, Leonard Hall has written a very interesting article for Course XIV people and the many others at MIT who follow national politics with interest. He comments on the far-reaching effects of developments in transportation and communication on presidential and other campaigns. Television particularly has changed the methods, says Hall; he gives his opinion on how candidates of the Coolidge-Hoover era would have done on TV. Al Smith would have been a knockout, apparently.

One If By Land and Two If By Sea

San Francisco and the Giants kicked off the 1960 baseball season with the gala opening of their new ball park on Candlestick Point in San Francisco. **LIFE** covers the story, indirectly calling California's Governor Pat Brown and Vice President Nixon "mugging politicians" in the process. Some 500 of the fans arrived at the field by boat; it was the "in" thing to do. The drawbacks to being "in" became evident half way through the game when the A. A. system announcer intoned that one of the yachts had worked loose from its moorings, was adrift off the point and under surveillance by the Coast Guard. Other yachting enthusiasts came back to find their craft marooned on a mud flat by the tide, which doesn't help working in San Francisco, even on Opening Day.

The 1960 Census, a big job anywhere, is especially tough in Hawaii, where every citizen wants to be counted, but many are somewhat inaccessible. Volcanoes, islands, swamps—the census-takers combat them all in an effort to get the right count. From Hawaii and elsewhere come tales that will go down in history, but the best for my money is the lady enumerator caught enumerating the occupants of a brothel when the police broke in on a raid. What happened to her? Read **LIFE**, April 25, 1960, and find out.



(Paid Advertisement)

Electrical Eng. Uses Display Techretary Sails, Sews

By TONY DRALLE

The Department of Electrical Engineering, Course VI, has scheduled an extensive series of exhibits for Parents' Weekend, designed to inform parents of the scope of activities and work in the Department. All exhibits will be on display from 1:45 on Saturday afternoon. Starting point for tours and demonstrations is Room 10-150.

Exhibits in Room 10-154 will include an automatic device for recognition of script letters; a "hamming coder", which displays error location and correction in binary codes; and a display featuring artistic patterns illuminated by variable stroboscopic lighting.

In Room 10-425 will be found an electronic handwriting device, which converts handwriting into electric signals for display on an oscilloscope; a midget digital computer, designed to perform simple arithmetic and logical operations; and a demonstration of microwave satellite communication links.

More examples of stroboscopic lighting effects will be found in Professor Harold Edgerton's laboratory, Room 4-405. Undersea photographs by Professor Edgerton, who conceived and developed stroboscopic photography, will be exhibited.

A display of a computer components and systems group will be in Room 10-381. Included will be a crystal model display, and a demonstration of graph to oscilloscope information tracing.

Also open to parents will be the Electronics Research Laboratory in Building 26. The TX-O computer will be on display.

After viewing the exhibits, parents and students are invited to attend an informal meeting with faculty members at 3:30 p.m. in the Bush Room, 10-105.

Student representatives aiding in the program are Roger Mark, Eta Kappa Nu; James Lyon, Student-faculty Committee; and Arthur Lipton, Joint Student Branch, AIEE-IRE.



— Tech Staff Photo

This week's Techretary is Karen Karl, a native Milwaukeean who came to the Institute a year and a half ago. Karen works in Room 3-264, for Professor Ascher Shapiro of the Mechanical Engineering Department.

Karen is twenty-one, stands five feet seven, has brown hair and green eyes. Karen now lives in Marblehead, Mass.

Karen loves to sail — "at Marblehead it's the greatest!" She also likes sewing and knitting. Although she hasn't tried it yet, Karen said she would like to learn to ski.

Asked what her thoughts were on MIT men, Karen replied, "Since it's Mrs. Karl answering that, as an impartial and disinterested observer, I think they are a pretty nice bunch."

Architecture To Show Students Designs

Architecture's Design Studios will be opened to all visitors as the department displays Course IV students' work.

Parents will meet in Room 7-437 at two for an informal coffee hour and tour of the Architectural Department.

Professor Lawrence B. Anderson, head of the department, will guide discussion by faculty members and visiting parents.

MIT was the first institution to organize and develop formal architectural education in the United States. Presently the department has over 20 faculty members, including 15 professors.

Prof. Marvin Goody is in charge of the Weekend program, aided by Walter Cheever and Tom Junker.



This airplane is actually a flying classroom. The course taught in it is Air Navigation, under real conditions. The students are young men who have been selected as possible future leaders of the Aerospace Team. Graduation after 32 weeks of training will win each of the students the honored silver wings of an Air Force Navigator and an Officer's Commission.

For certain young men, this training can open the way to a bright career of executive potential. Right now the Air Force is scoring impressive technological advances in the fields of navigation, guidance and tracking, electronics and radar. And here is where its highly trained and experienced Navigators will be expected to take over command positions of increasing responsibility.

To qualify for Navigator training as an Aviation Cadet, you must be between 19 and 26½—single, healthy and intelligent. And you must want to build an exciting, interesting career in the Aerospace Age. If you think you measure up, we'd like to talk to you at the nearest Air Force Recruiting Office. Or clip and mail this coupon.

There's a place for tomorrow's leaders on the Aerospace Team.

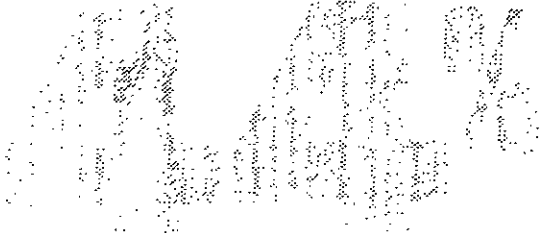
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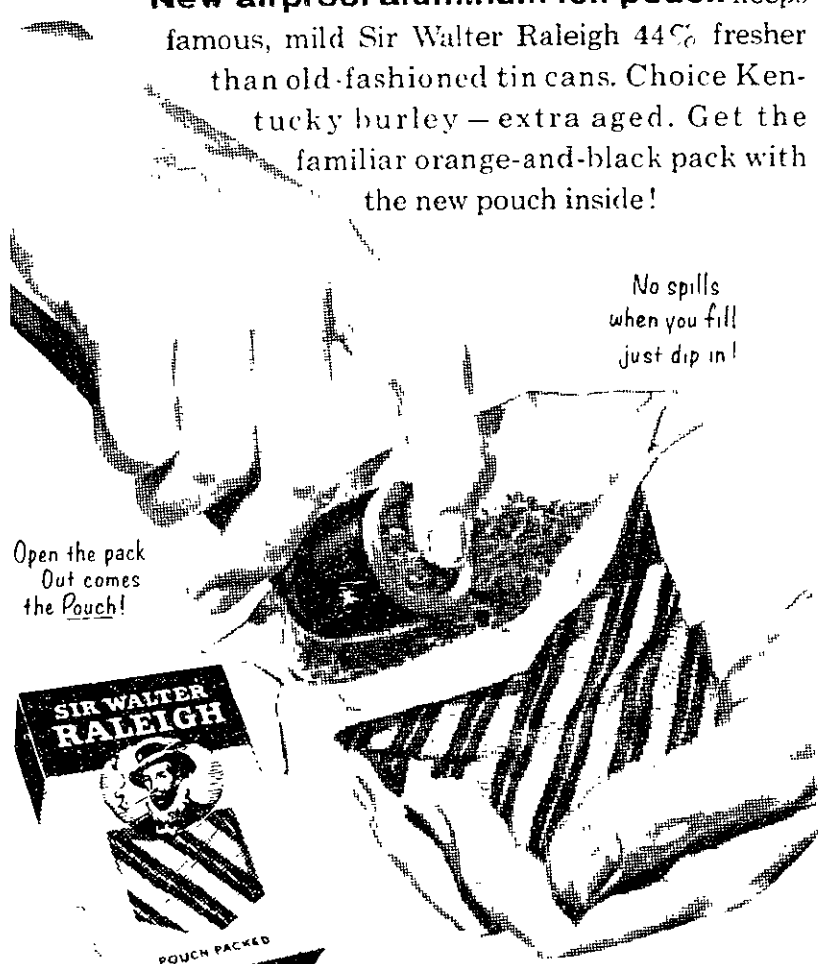
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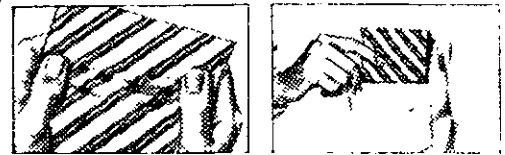
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New airproof aluminum foil pouch keeps famous, mild Sir Walter Raleigh 44% fresher than old-fashioned tin cans. Choice Kentucky burley — extra aged. Get the familiar orange-and-black pack with the new pouch inside!



No spills when you fill just dip in!

Open the pack Out comes the Pouch!



Tearproof—it's triple laminated. Really durable. ... won't spring a leak. Carries flat in pocket. No bulge. Flexible, too. ... it bends with you.

Sooner or Later—Your Favorite Tobacco...

SIR WALTER RALEIGH

Official Schedule For Parents Weekend Activities

Friday, April 22

8:30 P.M. Swimming and Diving Exhibition at the Alumni Pool.

Saturday, April 23

9:00-11:00 A.M. Registration: Building 10 Lobby

Attend classes with son or daughter
Pre-arranged meetings with Freshman Advisors

11:00 A.M. Demonstration Lecture by Professor Hans Mueller: Compton Lecture Hall, 26-100; also by Professor Samuel Mason: Huntington Hall, 10-250.

12:15 P.M. Luncheons:

Schools of Architecture and of Humanities and Social Studies: Faculty Club, Sloan Building.

School of Engineering: Morss Hall, Walker Memorial.

School of Industrial Management and Department of Economics:

Faculty Club, Sloan Building.
School of Science: Physics: Campus Room, Graduate House; All Others: Dining Room, Baker House.

2:00-4:30 P.M. Departmental Programs (described throughout).
Intercollegiate Athletic Matches

1:00 P.M. Varsity and Freshman Track (Tufts, Andover, University of New Hampshire): Briggs Field.

2:00 P.M. Freshman Baseball with Northeastern: Briggs Field.

Freshman Lacrosse with Harvard: Briggs Field.

Varsity and Freshman Tennis with Wesleyan and Harvard: Dupont Courts.

3:00 P.M. Lightweight Crew (Harvard, Detroit Boat Club and Union Boat Club): Charles River.

5:00 P.M. Heavyweight Crew (Harvard, Columbia, Boston University and Syracuse): Charles River.

6:30 P.M. Banquet: Morss Hall, Walker Memorial. Toastmaster: Ira Jaffe, '61, President of the Student Body, who will introduce speakers Jerry Grossman of Parents' Weekend and Dean of Students John Rule.

Also Banquet: Campus Room, Graduate House. Toastmaster: Christopher Sprague, Past President of the Student Body, introducing speakers Fred Jancewicz of Parents' Weekend Committee and Dean of Residence Frederick G. Fassett, Jr.

8:15 P.M. Address by Dr. James R. Killian, Jr., Chairman of the MIT Corporation; Kresge Auditorium. Entertainment by the Brass Choir until audiences from both banquets have arrived.

9:00 P.M. Alpha Phi Omega Charity Carnival: Rockwell Cage.

Sunday, April 24

Morning: Religious Services.
2:30-4:30 P.M. Open Houses — Dean and Mrs. Frederick Fassett: Dean's House, 372 Memorial Drive; Baker House, 362 Memorial Drive; Professor and Mrs. N. N. Holland: Faculty Resident.

Bexley Hall, 52 Massachusetts Avenue: Professor and Mrs. W. F. Bortiglia, Faculty Resident.

Burton House, 420 Memorial Drive: Professor and Mrs. H. R. Bartlett, Master.

Senior House, 3 Ames Street: Dr. and Mrs. J. E. Goodenough, Master; East Campus, 3 Ames Street: Professor F. O. Cotton, Faculty Resident.

Individual Fraternities

3:00 P.M. MIT Choral Society, Fritz Buchter's "Easter Oratorio" conducted by the composer. Also Beethoven's Mass in C, conducted by Klaus Liepmann. Tickets available at the door.

Kresge Auditorium.

8:00 P.M. Jazz Concert. Presented by Techtonians. Orchestration by Arif Marden. Kresge Auditorium.

Aqua - Capers Scheduled

Three top Olympic contenders will come to MIT tomorrow night to participate in the Aqua-Capers, in the cacophony of talent which will be featured at the Alumni Pool at 8:30 P.M.

The Aqua-Capers highlights the campaign of the MIT Swim Club and the T Club to raise money for the 1960 U. S. Olympic Fund.

The featured mermen are Frank Gorman and Bruce Hunter of Harvard and John McGill of Yale. Gorman, Eastern U. S. Diving Champion, was runner-up in both the NCAA and the AAU diving contests. His teammate Bruce Hunter holds the U. S. collegiate records in the 50 yard and 100 yard sprints. John McGill is the American record-holder in the 200 yard Individual Medley.

M. A. GREENHILL presents

THEODORE

BIKEL

Sunday, April 24 8:30 P.M.

at JOHN HANCOCK HALL

Mail Orders NOW to: Folklore Productions, P. O. Box 227 — Boston, Mass.

TICKETS: \$3.75 — 3.25 — 2.75 — 2.25

HU 2-1827 — Tickets Available at T.C.A.

KOOL CROSSWORD

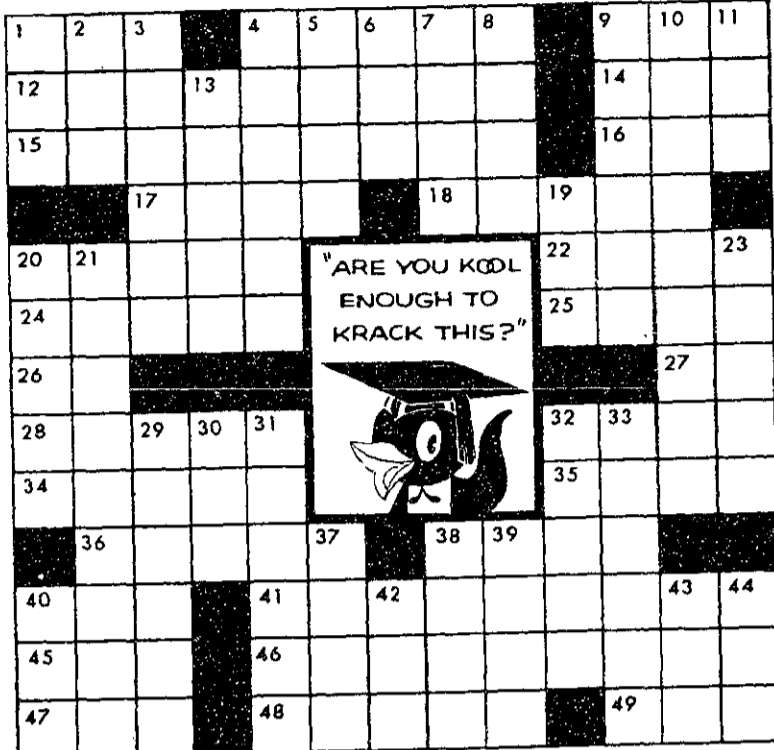
No. 11

ACROSS

1. Pasture palaver
4. Take on (abby)
9. Small change
12. Hipster's ultimate
14. Brigitte says "yes"
15. Like Susan Hayward
16. Ex-miss
17. Brando's earthy beginning
18. Colorado resort
20. Breezy call to arms
22. They're behind Wagon Train
24. Hires for tears
25. Lovers' quarrel
26. Small Air Force
27. Sound from Willie the Penguin
28. What Mom wants to know why you don't
32. Constable's finish
34. It's good for a squeeze or two
35. Killed a lot
36. Star in Virgo and in despicable
38. To be in Latin I
40. Song of the 20's
41. Come up to the Menthol Magic of KOOL
45. Stevenson's initials
46. Just the thing for a fifth wheel (2 words)
47. Anti-bug juice
48. Sen. Kefauver
49. It's profitable for Olmedo

DOWN

1. Sea (French)
2. Alone without
3. He's definitely out (2 words)
4. Avoids
5. Where to put your finger on her number
6. Like a TV movie
7. It goes begging
8. Williams, Mack, Husing
9. Cool's Menthol Magic
10. Deejay necessity
11. Girl you left behind
13. Crank's last name
19. Little pairs
20. Talk, Southern style
21. How your throat feels, when you're smoking KOOL
23. Scatter
29. Tax
30. You (French)
31. Wrap up in Law School?
32. It can be frozen; a KOOL is
33. Came to town (2 words)
37. High places
38. French for across
39. "I'm my Annie..."
40. Lots of dough
42. Short for Latin
43. Common verb
44. Still



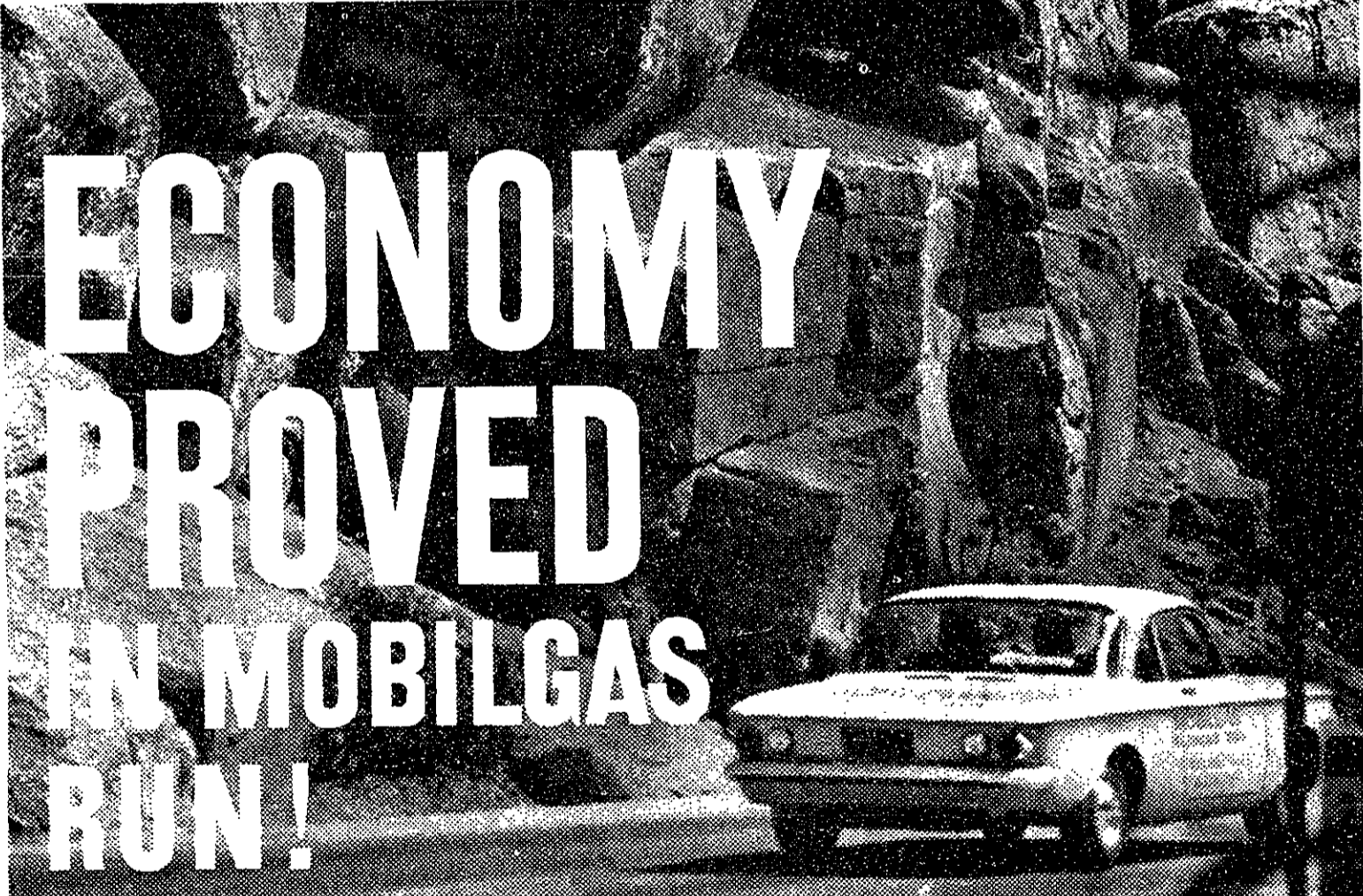
When your throat tells you it's time for a change, you need a real change...



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BY CHEVROLET
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gas Run are higher than the average driver can expect. But because the cars met every kind of driving condition—rugged mountain grades, long country straightaways, congested city traffic—those mileage figures prove Corvair's inherent ability to save. Operating costs take a nose dive the day you take delivery of a Corvair.



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featuring
— JIMMY RUSHING —
— LEE KONITZ —
and
The "Boots" MUSSULLI Quartet

Alumni Auditorium
Saturday April 23, 1966
8:30 P.M. Admission \$1.50
Tickets Available At Door

Foreword



After a year's work and many bureaucratic demarches we believe that this time we have reached our goal and obtained our entertainment page. Extensive research among faculty and staff members, as well as the student body, proved that a definite interest exists in matters other than science or engineering; the increasing importance of the Humanities Department, the successful musical and drama

activities, the improvement of sales of *Tangent*, the literary magazine, all of these factors prompted us to organize this page for *The Tech*, as a public service, to enable you, the reader, to choose your entertainment for the week end.

We will come out every Friday and will try to do our best to suggest what might be enjoyable for you, in the opinion of our staff. It is our purpose to serve you and in this connection we will be glad to receive any comments, suggestions and criticism. Have a nice weekend.

Jean Pierre Frankenhuis

Entertainment

"OTHELLO" To Open Next Wednesday

In the section reserved to extra-curriculum activities the President's report devotes an entire page to a relatively young organization which, in the President's words, is a credit to MIT: Dramashop. In its 1960 season that organization has been up to its reputation by presenting its "Evenings of One-Acts", always experimenting with new authors or controversial ones, as well as an exciting production of "Henry IV" by Pirandello.

To culminate an excellent season Dramashop is now in full rehearsals for "Othello", by Shakespeare, which is to open Wednesday, April 27th, in the Little Theatre of Kresge Auditorium. This will be the second Shakesperian tragedy put on by Dramashop, which produced "Richard II" two years ago.

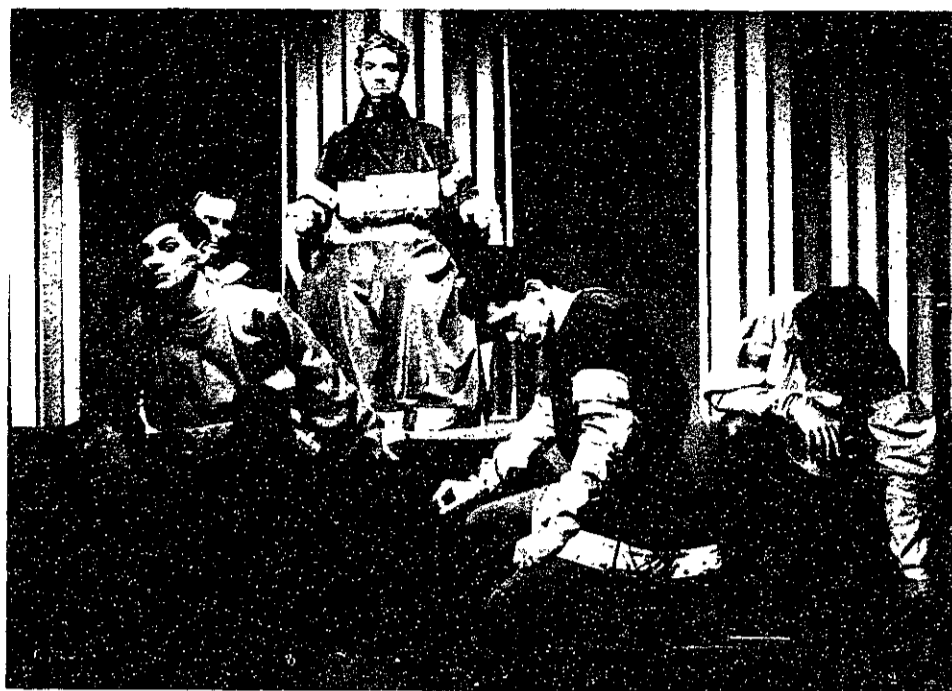
Featured Students

"Othello, the Moor of Venice" is one of Shakespeare's best known tragedies part of his famous trilogy, together with "Macbeth" and "King Lear". Four main characters make it one of the most difficult plays to act in; Iago, the "villain", is even longer than Hamlet. On top of requiring excellent actors and a numerous cast it needs a great amount of care in the making of costumes and designs.

Twenty-one MIT students and girls from the Boston area will take part in the production, several of them "doubling" as soldiers, officers, gentlemen, etc. Gus Schmons Jr. will be featured in the title role, with Marc Weiss as Iago, Joan Tolentino in the role of Emilia, and Lorraine Dennis as Desdemona.

Golden Curtain!

From precedent productions at Dramashop we can expect the usual superb job of costume design by Mrs. Bottomly, who is well-known for the magnificent wardrobe of "The Alchemist" and "Henry IV". As we stepped in the Green room a myriad of colors danced on the racks, while



Dramashop's production of Luigi Pirandello's "Henry IV" last fall. From l. to r.: Jean Pierre Frankenhuis, Don Silvermann, Arthur Rogers, Ross Ham and Tony Hill.

feet of delicate materials were stacked on the table; evidently hard at work, Mrs. Bottomly troned amidst the confusion, sewing, pinning, cutting. After taking three pins out of a cushion she stopped for a short while to tell us about the newest thing in her department: a golden curtain, to replace the usual grey one, in front of the stage!

Realism. A Problem?

Director Joseph D. Everingham rested his tired feet on the table after a long four-hour rehearsal and explained that he had divided the play in three acts and twelve scenes to be able to use a unit set for the first time. A unit set is a scenery that is not changed all through the play: a different scene will be suggested either by a change of furniture or by the mere closing of curtains. "Othello" takes place in Venice and in Cyprus, presenting therefore interesting problems for the set designer. Professor Everingham said he was very pleased

with the three round platforms and the elaborate columns which suggest a grandiose Italian palace.

Among the anecdotes connected with the production Professor Everingham explained that the great actors who played Iago in the XIXth century traditionally took quite strongly after Othello, when he has the famous epileptic attack; aware of this historical fact, Marc Weiss was rather disappointed when Professor Everingham stopped him from being as violent as he would have liked to be. In fact, the director added, "I had trouble restraining Marc from kicking Gus!"

The light design will prove to be of tremendous value, not only for this particular production, but also for

Duke of Venice.....	Christopher Shaw
Brabantio.....	Michael Meeker
Othello.....	Gus Solomons, Jr.
Iago.....	Marc Weiss
Roderigo.....	Joe Lestyk
Emilia.....	Joan Tolentino
Desdemona.....	Lorraine Dennis
Director.....	Prof. Joseph D. Everingham
Costume Designer.....	Mrs. Helen Bottomly
Set Designer.....	Jim Dorr
Lighting Designer.....	Earl VanHorn
Stage Manager.....	Jack Tomlinson

any future theatrical activities at Kresge Auditorium, for Earl Van Horn, an electrical engineering major, has developed a new switchboard which allows "repatching" of dimmers within the same scene, a revolutionary technique for those who understand the details of that rather difficult "lingo". Despite this complicate, but rather cold, aspect of the design, Earl Van Horn's success will probably come from the colors themselves, as he remains, with Paul Brumby, one of the best light designers at Dramashop.

Past and Future

After "Richard II" in 1957, Dramashop produced "Him" by e. e. cummings, a mixture of comedy and tragedy with typical comments such as "Treat a man like dirt and he'll produce flowers"; it was the third presentation of that play, which shows the unconventional way of thinking of its reading committee. Even more experimental are the "Evenings of One-acts", which have presented plays by Samuel Beckett, Ionesco and other "off-beat" authors, as well as giving an opportunity to young MIT writers to exercise their talents by putting their own plays on.

Professor Everingham has done a beautiful job of introducing theatre at MIT in a serious way, by organizing Dramashop into an efficient and effective group: "Othello" should prove to be as good or better than any of the other productions, an encouraging prelude to MIT Centennial's plans to present "The Beggar's Opera", in collaboration with the musical clubs and Professor Klaus Liepmann!

ENTERTAINMENT

Any student interested in working in the staff of this page will be welcome. A larger staff is needed in order to relieve the burden on our present members, as well as to give continuity to the page in the future. Please contact J.P.F. on Wednesdays at the office.

What will the ratings be?

MIT to sponsor special science series

Although a Summer away, the festivities for MIT's Centennial are well under way in planning. The CBS Television Network has announced a series of six full-hour programs on new horizons in science and technology to be sponsored by American Machine & Foundry Company, which will complement the elaborate program set by the Centennial Committee.

The series are named "Tomorrow" and will be produced by Thomas H. Wolf, who has won several awards for producing and writing a wide variety of documentary films. The "Tomorrow" series will show how developments in science and technology will affect our way of life.

Professor Gale, from the Public Relations Office, told The Tech that the programs would be shot all over the world, and will avoid the static "on-campus" laboratory description. Although none of the actual production people have been chosen (narrators, directors, etc.) Mr. Gale assured us that it would involve artists and technicians of great popularity and recognized ability.

No definite plans have been made as for the subject matter to be covered but several topics are under consideration by both CBS and MIT. Among those we might mention "How does man think?", a program that would cover the field of Communications Science; "Machines that think", a program that would explain computer technology, information theory, etc. These are only two of the possibilities but it gives a very good idea of what the series of specials will offer in scientific interest as well as entertainment.

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Tech Night at the Pops Announced

On Sunday, May 8th at 8:30 p.m. at Symphony Hall, the MIT Baton Society will present the traditional "Tech Night at the Pops", which will feature Arthur Fielder and the Boston Pops Orchestra as well as the MIT Glee Club and the Logarithms.

This evening of music dedicated to the MIT community has always been received with enthusiasm and one might recall the time when Mort Achter climbed on the podium and directed the Pops.

Tickets will go on sale on Monday, the 25th of April, in the Lobby of Building Ten. The prices will range from \$3.00 to \$7.75 and can be obtained by mail order to the MIT Baton Society or by calling UN 4-6900 at extension 2902

UPTOWN THEATRE — BOSTON
 Peter Sellers — Jean Seberg
"THE MOUSE THAT ROARED"
 Pat Boone — James Mason — Arlene Dahl
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"JOURNEY TO THE CENTER OF THE EARTH"
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A Carol Reed Production
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"OUR MAN IN HAVANA"
 ALEC GUINNESS
 BURL IVES—MAUREEN O'HARA
 ERNIE KOVACS—NOEL COWARD
 New England Premiere
 KENMORE Near Kenmore Sq.

Ingmar Bergman Festival

There are times when a single man takes hold of a medium, and dominates it by his personality and prestige. Quality is not necessarily implied in the popularity contest and Chaplin, with all his genius, rated as much, in his own time, as Elvis Presley today.

The rarity of outstanding personalities in 1960 is not due to bad quality but to a sudden overflow of young talent that makes it difficult to decide which is a passing one and which a lasting one. The question, however, doesn't seem to be raised when one speaks of Ingmar Bergman, the Swedish director. To his unquestionable qualities as a director he adds the ability to write off-beat scripts, strange, hilarious or tragic at will

Some audiences seem to question his value, pretending that we intellectualize what is nothing more than experimental movie-making; some say that by trying to deepen his subjects Bergman has obscured them to the same point that Beckett does in his plays; rather than interpret life and its elements the writer gives you a general picture, to be translated in your own language.

Are we really "being intellectuals" by making Bergman an untouchable idol? Are we tagging his movies "excellent" because they are Bergman's or because they are truly excellent? Fortunately these questions will be answered thanks to a "Bergman Festival", beginning on April 24th at the Brattle

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BRATTLE THEATRE
 Harvard Square
 Jean Renoir's
GRAND ILLUSION
 Jean Gabin Eric von Stroheim
 5:30 7:30 9:30

Theatre. The pictures shown will be "Torment" (1944), "Three Strange Loves" (1949), "Illicit Interlude" (1950), "The Naked Night" (1953), "Monika" (1952), "Smiles of a Summer Night" (1955), "The Seventh Seal" (1956) and "Wild Strawberries" (1958)

Your Movie Schedule

Astor—"Unforgiven," Burt Lancaster, Audrey Hepburn, 9:30, 11:30, 1:30, 3:30, 5:30, 7:30, 9:30
 Beacon Hill—"Kidnapped," Peter Finch, James MacArthur, 10:15, 1:05, 4, 6:45, 9:30 "Dumbo," 9, 11:50, 2:40, 5:35, 8:20
 Boston—"South Sea Adventures," 2:30, 8:30
 Capri—"Kidnapped," Peter Finch, James MacArthur, 9:30, 12:35, 3:40, 6:50, 9:40 "Dumbo," 11:20, 2:25, 5:35, 8:40
 Exeter—"The Magician," Max von Sydow, Ingrid Thulin, Gunnar Bjornstrand, Bibi Andersson, 2, 3:50, 5:45, 7:35, 9:30 "This Is Farnborough," 3:35, 5:30, 7:20, 9:15
 Gary—"Can Can," Frank Sinatra, Shirley MacLaine, Maurice Chevalier, Louis Jourdan; evenings at 8:30, matinees Wed, Sat, Sun, Hols. at 2:30
 Keith Memorial—"Please Don't Eat the Daisies," Doris Day, David Niven, 11:15, 2:40, 6:05, 9:35 "Hell Bent for Leather," Anne Murphy, 9:45, 1:10, 4:40, 8:05
 Kenmore—"Our Man in Havana," Alec Guinness, Burl Ives, Maureen O'Hara, Ernie Kovacs, Noel Coward, Ralph Richardson, 1:10, 3:40, 5:25, 7:35, 9:45. Shorts, 1, 3, 5:05, 7:15, 9:25
 Mayflower—"Room at the Top," Simone Signoret, 10:15, 1:50, 5:35, 9:20 "Career," Dean Martin, Shirley MacLaine, 12:30, 3:50, 7:38
 Paramount—"Visit to a Small Planet," Jerry Lewis, 11:30, 2:55, 6:25, 9:45 "A Touch of Larceny," James Mason, Vera Miles, George Sanders, 9:45, 1:10, 4:35, 8
 Saxon—"Ben-Hur," Charlton Heston, Haya Harareet, Finlay Currie, evenings at 6, matinees Wed., Sat., and Sun. at 2
 Telepix—"Aparajito," 11:30, 1:30, 3:30, 5:30, 7:30, 9:30
 Brattle—"Grand Illusion," Jean Gabin, Pierre Fresnay, 5:30, 7:30, 9:30

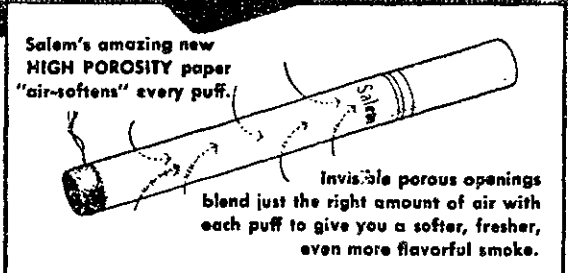
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"OTHELLO"
 The Moor of Venice
 by William Shakespeare
 Little Theatre — Kresge Auditorium
Wednesday through Saturday, April 27 - 30
8:30 P.M.
ADMISSION \$1.00
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 Directed by Joseph D. Everingham
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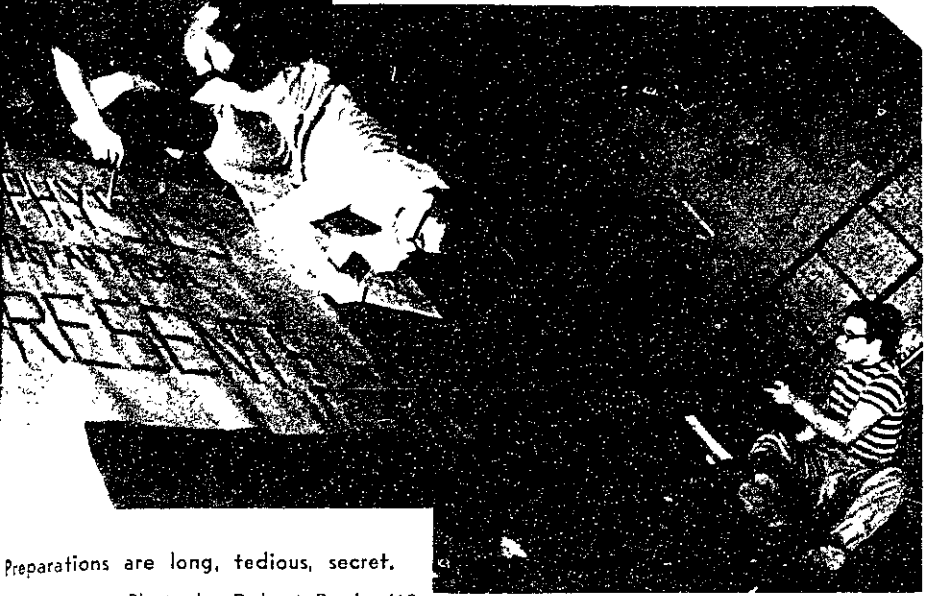
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Preparations are long, tedious, secret.
— Photo by Robert Purdy, '63



Above: "Talkin' it up"
— Photo by Boyd Estus, '63



Right: Novelties and surprises abound.
— Photo by Allan Rosenberg, '63

Engineering Exhibits

Civil Eng. Spots New Computer

By Tony Dralle

Course I, the Department of Civil Engineering, will present to parents Saturday afternoon an opportunity to see examples of student work and to learn more of work done by the Department. Laboratories and classrooms will be open from 1:30 until 4:30 P.M. for first hand inspection by parents; students will demonstrate and discuss typical work.

The Department's Computation Laboratory, Room 1-090, will describe and demonstrate its new computer facilities, including the new IBM 650. At 3:15, an actual demonstration of the application of automatic computation to typical engineering problems will be presented.

The Building Materials Research Laboratory, Room 5-008, will present examples of student thesis work on strength and other properties of building materials.

A display illustrating the approach to civil engineering design problems will be presented in Room 1-146. Examples of students' work will be exhibited. At 1:45, sophomores in the Civil Engineering Projects Course will talk with parents about the objectives of the course, and the methods of its conduction.

The Spofford Room, 1-236, will be open for students and parents from 1:30 until 4:30 P.M. Members of the faculty will be present to answer questions on the undergraduate Course I program.

Aeronautical Eng. Exhibits in Bldg. 7

A guided missile display and simulation of shock waves by hydraulics will highlight Course Sixteen's Parents' Weekend presentation.

After the Walker luncheon, parents interested in Aeronautics and Astronautics will gather in the DuPont Room of the Guggenheim Building. Dr. Charles S. Draper, head of the department, will formally welcome the visitors.

At two professors of Course Sixteen will take the parents on tours of the department's facilities.

A hydraulic analogy of shock waves and their effect on surrounding countryside will be among the many displays, including demonstrations of the wind tunnel and blow-down tunnel.

In Building Seven lobby various types of aircraft and rockets will be featured. Also included in the departmental display will be models of America's earth satellites, space capsules, and the rockets that flung them into space.

After the tour, coffee and punch will be served and a film on the flight testing of the DC-8 will be shown.

Naval Architecture Opens Tow Facilities

The towing tank and propellar tunnel, two of Course Thirteen's extensive testing facilities, will be displayed to visitors from two to three-thirty.

The Department of Naval Architecture and Marine Engineering will hold a coffee hour in Room 5-311 at three-thirty, at which faculty will discuss the course and answer all questions regarding the objectives and teaching methods of Course Thirteen.

The tour of the Towing Tank will originate in Building 48 at 2:00; 3-270 is the meeting place for demonstration of the Propellar Testing Tunnel, also to begin at two.

Chem. Engineering

Parents will be able to observe seniors in Chem Engineering working on their theses projects as Course Ten throws wide the doors of its laboratories. Experiments in crystallization, frost formation, ion exchange, and vapor viscosities will be highlighted in the tours.

Rooms 12-155 and 12-190 will serve as the Central HQ of the Department and tours will originate from these rooms after one-thirty.

At two, an informal coffee hour with Course Ten faculty members will be held in 12-155.

At this time department representatives will strive to depict the program, aims, and methods of the Chemical Engineering program at MIT.

In charge of the department's program is Professor D. F. Fairbanks, assisted by Bob Gurwitz.



Four "tools" of the Institute.
— Photo by Boyd Estus, '63



Even the faculty got in on the act.
— Photo by Conrad Jaffee, '63

SCIENTIFIC ADVANCES 801-802

Progress of Women (toward men)

Dr. Allure

Magnetism of men who use *ordinary* hair tonics studied. Conclusion: barely existent. Magnetism of men who use 'Vaseline' Hair Tonic studied. Conclusion not yet established since test cases being held captive by neighboring sorority. Examination of alcohol tonics and sticky hair creams (rubber gloves recommended for this class). Result: repelled women. Frequent use of water on hair cited: this practice deemed harmless because 'Vaseline' Hair Tonic mollifies its drying effect. Female Appraisal of Contemporary Male. Conclusion: Student body O. K. if student head kept date-worthy with 'Vaseline' Hair Tonic.

Materials: one 4 oz. bottle of 'Vaseline' Hair Tonic



Vaseline HAIR TONIC

In the bottle and on your hair the difference is clearly there!

'VASELINE' IS A REGISTERED TRADEMARK OF CHESEBROUGH-POND'S, INC.

Metallurgy Presents Foundry

Metallurgy is presenting its foundry to parents as part of Course Three's program. Following the Walker luncheon, parents and students will gather in Room 8-310 at two for conferences with Metallurgy faculty.

Tours of the various aspects of the department, including laboratories, will originate in 8-310 between two and four.

In addition, starting at two-thirty, trips through the Metallurgy foundry will be presented. The foundry tour will include a demonstration of casting and heat flow.

In 8-010 hear flow and behavior of materials will be highlighted. Demonstration of stress and corrosion as related to cracking will be featured in 8-410.

These displays will continue until 4:00.

Heading the Metallurgy program is Professor J. F. Elliott, aided by Hal Brody.

Model Railroad Club

Opens Road to Parents

All guests and members of the MIT community are invited to see one of America's finest and largest model railroad layouts. The Tech Model Railroad Club will open its doors from 2 to 5 P.M. and 7:30 to 10 P.M. at room 20E-214 to everyone.

The Club's HO gauge layout is built on a scale of 1/8 inch to the foot and operates five trains at once out of the two train yards on the main line.

The layout can be controlled automatically at any point on the track by 1000 switching relays.

SENIOR HOUSE

Anything remaining in the cages in the basement of Senior House which is not tagged with a present resident's name, will be confiscated after Wednesday, April 27.

Tech Greets Parents

(Continued from Page One)

We hope you will meet a broad cross-section of the MIT Community; if you do so, we have no doubt that you will like what you see here. Going below the surface of what is displayed will be well rewarded by an understanding of why the MIT student is, in spite of all his complaints, a basically happy person; a candid look at his academic and personal habitat and experiences is here for the asking. Above all, of course, enjoy the weekend with your son — this factor determines the real success of the best-laid plans.

Welcome to MIT.



Sunday Evening APRIL 24 at 8 o'clock

DR. JOACHIM PRINZ

"The German Dilemma: An Analysis of Anti-Semitism and Neo-Nazism in Present-Day Germany"

FORD HALL FORUM

JORDAN HALL — Gainsboro St. cor. Huntington Ave. — BOSTON
DOORS OPEN 7:45 P.M. EVERYBODY WELCOME

Humanities Has Talks, Displays

Course Twenty-one majors will give brief talks to parents at half-hour intervals starting at two in the Hayden Library Lounge. Fine arts displays at the Institute will be featured.

Professor Roy Lamson, Head of the Department of Humanities, will speak on "Humanities at a Technical Institution" at Faculty Club luncheon at 12:15.

Following the luncheon books from the Tubby Rogers Collection will be exhibited in the Humanities Library Reserve Reading Room. Music and photographs of musical activities at MIT will be on display in the Music Library. Original manuscripts of American author Kenneth Roberts may be found in the main corridor, first floor Building Fourteen.

Participating in the student talks in Hayden Library Lounge will be William Bisson, Kenneth Freeman, Daniel Whitney, George Bedell and Robert Rothstein.

The staff of Department of Humanities and Modern Languages will be present in 14E-310 for conference throughout the afternoon and coffee will be served at 4:30.

WTBS

Brings Your Special Features First Before They Happen

Econ., Ind. Management Fete

Dedication of the Barnard Room will highlight Course Fifteen activities. At three p.m. in Building 52, an undergraduate lounge will be formally opened and dedicated to Miss Olive Barnard.

Miss Barnard was secretary of Course Fifteen for many years. Presiding at the dedication will be Professor Emeritus Erwin H. Schell, Dean Emeritus Edward P. Brooks, Professor Howard Johnson, and David Ness, '61, President of the Undergraduate Industrial Management Association.

After lunch at the Faculty Club, Faculty of the department of Economics will hold a coffee hour, starting at 2:30 in 52-361. A panel discussion featuring general review of Course Fifteen undergraduate curriculum will be held in the Penthouse by industrial management majors at 1:30.

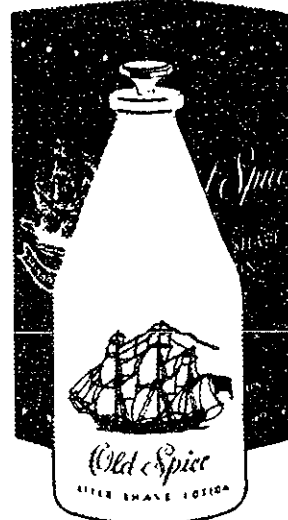
Leading the panel discussion on the Teaching of Industrial Management will be Professors Houlder Hudgins, Gordon Schillinglaw, Edward Bowman and Samuel Pullman.

Other topics to be discussed will be marketing, finance, production, and business policy.



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The MIT Choral Society
Klaus Liepmann, conductor
will present

Beethoven, Mass in C
and

Buechtger, Easter Oratorio
(composer conducting)

Sunday, April 24, 1964 at 3:00 P.M.
Kresge Auditorium

Soloists

Joyce McIntosh, Soprano

Ruth Sullivan, Alto

Donald Sullivan, Tenor

David Ashton, bass-baritone

Tickets \$2.00 (reserved) and \$1.50 (unreserved) may be ordered from MIT Music Office or by calling UN 4-6900, ext. 3210.

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3:15 6:30 9:45

Mister Magoo

"1001 ARABIAN NIGHTS"

1:45 5:00 8:15

Next Wednesday Evening at 8:30

— STAGE —

Excerpts from Hasty Pudding Club Show

— SCREEN —

"FUNNY FACE"

Admission \$1.00

Tickets at Box Office

Benefit Mt. Auburn Hospital

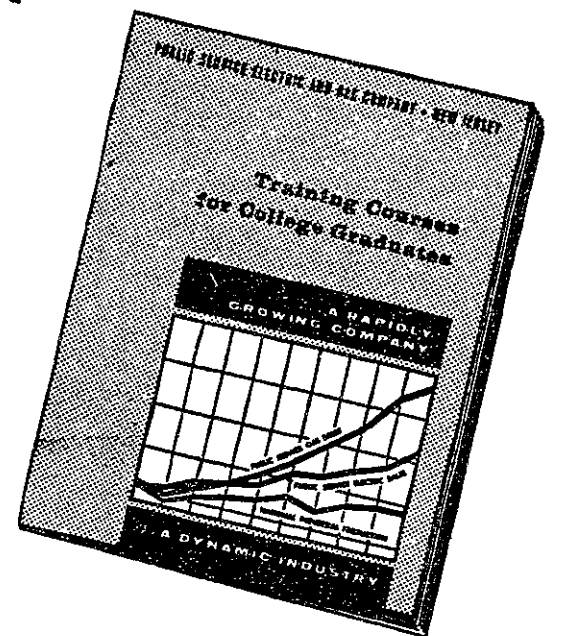
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Six Crew Races On Charles Tomorrow

By Ron Baecker, '63

The biggest day of racing on the Charles River unfolds tomorrow as six crews challenge MIT in both heavyweight and lightweight competition. The varsity heavies, rated head coach Jack Frailey as the best to emerge in ten years, will be tested by Harvard, last year's unbeaten Henley titlists, Syracuse, another very strong contender for Olympic honors, Boston University, and Columbia. The JV and frosh heavies face the same foes, with the freshmen seeking fresh blood after an opening triumph at Andover on Wednesday.

Lights In Quadrangular

The three lightweight crews will meet Harvard, the Boston Boat Club, and the Detroit Boat Club, last year's champions. All Beaver light crews were in action Saturday, with the most encouraging performance coming in by the frosh, who finished less than a length behind the victorious Crimson. On Wednesday the frosh triumphed over Andover and posted a superlative time.

Out At Home



Baker House's Girt Ozolins, '60, is out at home during the Burton-Phi Kappa Sigma intra-collegiate softball game Saturday. Catcher Carl Van Appledorn, '61, makes the tag. — Photo by Curtiss Wiler, '63

Ten returning lettermen and thirteen outstanding sophomores anchor one of the biggest heavyweight crews in MIT history. The varsity eight averages 6'4" and 190 lbs. In his pre-season forecast Frailey wrote, "This being an Olympic year, the season takes on added significance. The spirit in the boat house is high, with a can't be missed "will to win" prevalent." Work-outs thus far have been faster than last year's, but, as he noted, the opposition is also improved.

The first race tomorrow comes at 3:15, with the frosh lightweights furnishing the action. The other races: JV lights, 3:45; varsity lights, 4:15; frosh heavies, 5:00; JV heavies, 5:36; and varsity heavies, 6:00.

Lights Bow to Harvard, Navy

The Harvard lightweight varsity, unbeaten Henley titlists for the past two seasons, captured their 21st consecutive victory in last Saturday's keynote race. A starting spurt at a 40-count propelled the Crimson to a half-deck lead after 10 seconds and a half length gap by the Sailing Pavilion. Settling down into a smooth 29½, they gradually widened their lead to a final 2 lengths and finished in 6:48.8.

Navy and MIT, meanwhile, battled for second position until the mile mark, where the Middies pulled ½ length ahead and held on to the finish. Coach Val Skov was encouraged by the showing in that it was an improvement over the openings of recent years. Yet the excellent times were greatly favored by a 10 to 15 mile an hour wind at the back of the oarsmen.

The Engineer jayvees also finished third behind the Harvard and Navy lights. Again a fast start by the Crimson moved them into a commanding lead which they never relin-

Varsity Heavies	Varsity Lights
Peck 1	Cook, D. 1
Uzoff 2	Blossey 2
Riley 3	Subrbier 3
Taylor, W. 4	Allison 4
Weinman 5	Schmelling 5
Marls 6	Manning 6
Morrison (C) 7	Bruggemann 7
Welber 8	Alexander 8
Anderson, W. (C)Cox	Speyer

J V Heavies	J V Lights
Cockel 1	Resch 1
Brady 2	Toos 2
Engeler 3	Arens 3
Grimmel 4	Blanchard 4
Anderson, B. 5	Zimmerman 5
Lawton 6	Allen (C) 6
Von Kuegelgen 7	Fleischli 7
Nield 8	Rowe 8
Battner Cox	Dorfman

Frosh Heavies	Frosh Lights
Anderson, K. 1	Skinner 1
Wolferale 2	Ramers 2
Taylor, T. 3	Shino 3
Fiory 4	Tall 4
Droepken 5	Kamini-ki 5
Morton 6	Wilson 6
Cheek 7	Aldrich 7
Miller 8	Sompayrac 8
Gans Cox	Vernon

Kelly Is High Man

Pistol Team Second In League

The pistol team was awarded first place in the Greater Boston "B" Pistol League following the final season match two weeks ago. The first place finish, which was confirmed recently, placed Capt. Robert Strickland's marksman ahead of such experienced teams as Parkway, Mystic, Saugus, North Reading, Eastern, Harvard and the MIT Faculty team.

Dennis Kelly, '60, finished the season as high man, closely followed by Captain Thomas Remmers, '60, and Vince Zapalla, '63. Also contributing in

large measure to the success of the team were Bill Eldridge, '60, William Farland, '62, Gus Dreier, '61, John Johnson, '62, and Ricardo Careras, '61.

In the second annual Eastern Invitational and Southern New England Sectional matches, Zapalla took first in the expert class for slow fire, and Kelly led in the sharpshooter class rapid fire competition.

Pushleaguer

Beta Theta Pi edged Baker House in a three game set Monday night to capture the intramural volleyball championship. After winning the first game 15-13, the Betas edged the second 6-15 but recovered to take the third 18-16.

Sigma Chi took third place in the trophy tournament, topping Alpha Omega 14-16, 15-13 and 15-7. Fourth position went to Metallurgy Sigma Alpha Epsilon.

A total of 47 teams competed in the regular season, according to IM volleyball manager Pete Thurston, '62. The season extended over a two month period.

How They Did

Tennis

- Navy 8 MIT 1
- Brown 7 MIT 2
- MIT 5 Brown-Nichols 4 (F)
- MIT 5 Brown 4 (F)
- MIT 8 Gov. Dummer 1 (F)

Lacrosse

- Gov. Dummer 15 MIT 0 (F)

Golf

- Brown 4½ MIT 2½
- Wesleyan 4½ MIT 2½

Track

- Dartmouth, Brown, MIT (V)
- Dartmouth, Brown, MIT (F)
- MIT over Gov. Dummer (F)

Sailing

- MIT 2nd, Oberg Trophy
- MIT 3rd, Freshman Heptagonal

Baseball

- WPI 8-5 MIT 2-4
- MIT 3 Harvard 2
- MIT 11 Middlesex 2 (F)
- MIT 20 Milton 2 (F)

Crew

- Harvard, Navy, MIT (V)
- Harvard, Navy, MIT (JV)
- Harvard, Taber, MIT (F)

quished. The Midshipmen finished three lengths back in second position, and the Beavers came in four lengths further behind. In the frosh race Harvard built up a half length lead by the bridge and held on to win in 7:06.9. Tabor Academy, rowing at a furious 34½ or better for most of the race, edged out the Engineers, 7:08.1 to 7:08.3, in a split-second finish. A mere 1.4 second difference between the Harvard and MIT times is very encouraging at this time of the year, for the Crimson's indoor rowing tanks always give them an early season advantage.

The frosh, both heavy and light, triumphed over Andover on Wednesday. The Beaver 1st heavy freshmen catapulted home in 6:32, a half length in front of the 2nd frosh, who arrived two lengths before the Andover oarsmen. This was accomplished in spite of "catching a crab" which cost the Engineers four strokes early in the race. The light frosh defeated the Andover JV's by three lengths in the time of 6:30.

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On Deck

5 Sports On Campus Saturday

Fans will have an opportunity to see five different sports played on the MIT campus tomorrow as three varsity and five freshman teams are in action. The card extends from 1 p.m., when the track teams tangle with Tufts and New Hampshire on Briggs Field, until 6 p.m., when the varsity heavyweight crews from MIT, Harvard, Boston University, Columbia and Syracuse begin their 1¾ mile trek at Longfellow Bridge.

The major concentration of events is at 2 p.m. At that time the varsity tennis team meets Wesleyan on the courts behind Baker House; the freshman net squad faces Harvard; the freshman baseball team takes on Northeastern at Briggs Field; and the frosh lacrosse men play Harvard. Crew fans will take up their positions near the boathouse on the banks of the Charles at 3:15 p.m. In addition, the varsity and freshman golf teams will be in action at the Oakley Country Club.

* * *

Friday, April 22

Golf with Bowdoin and Springfield 1:30 P.M.

Saturday, April 23

- Lacrosse at New Hampshire
- Tennis with Wesleyan 2:00 P.M.
- Tennis with Harvard (F) 2:00 P.M.
- Heavy crew with BU, Harvard
- Columbia and Syracuse
- Light crew with Harvard, Detroit, Union Bt. Clubs
- Track with Tufts V&F, Andover (F) N. H. (V) 1:00 P.M.
- Sailing at Coast Guard
- Golf with Harvard (F) 2:00 P.M.
- Baseball with NU (F) 2:00 P.M.
- Lacrosse with Harv. (F) 2:00 P.M.

Sunday, April 24

- Sailing at Coast Guard
- Sailing at Brown (F)
- Sailing at Medford (F)

Monday, April 25

- Golf at Babson Institute

Tuesday, April 26

- Baseball at Tufts
- Baseball with Tufts (F) 4:00 P.M.

Diamondmen Shade Harvard 3-2; Drop Twin-Bill To WPI

Behind the four-hit pitching of Mickey Haney, '62, the varsity baseball team scored an impressive 3-2 victory over Harvard at Briggs Field Tuesday. Haney struck out nine and walked four over the nine-inning route.

Shortstop Dick Pickett, '61, led the victors at the plate, rapping out two doubles and a single in four trips. Tech's markers, all unearned, came in the first, third and sixth innings. Harvard's two runs came in the eighth on a home run by Al Martin.

Coach Robert Whitelaw's squad lost both ends of a doubleheader to WPI Saturday by scores of 8-2 and 5-4. The MIT freshman squad has recorded victories of 11-2 over Middlesex and 20-2 over Milton. The freshmen are coached by John Barry.

Score by innings: R H E

Harvard 000 000 020 — 2 4 4

MIT 101 001 00X — 3 5 3

Batteries: Kipp and Tague; Haney and Blowbaum.

STUDENTS AND FACULTY

Are invited to discuss their ideas or products for development by an old established New England machine shop which is completely equipped for experimental development and manufacturing purposes. We are interested in participating in ideas or products by contributing use of our equipment, engineering, tool and die or design departments, financing or any portion of our facilities that are needed. All replies will be held in the strictest confidence. Please write to arrange an appointment.

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Engineers and scientists who will achieve advanced degrees by June '60 or February '61 (M.S., Professional, or Doctor's degree)

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ON CAMPUS INTERVIEWS

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Wednesday, Thursday, Friday, April 20, 21 & 22

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Science Offers Tours

Physics Tours Accelerators

Course Eight will open their linear accelerator to the public as part of their Parents' Weekend program. The physicists will also sponsor tours of the Synchrotron Lab.

In addition, parents will be able to see Freshmen and Sophomores carrying out regular laboratory experiments in the first and second year Physics labs.

The visitors will meet in 4-355 at two for the demonstration of experiments and tours. Dr. Bertozzi, Dr. Rosenson, and Doctor Lazarus, assisted by fifteen graduate students, will act as demonstrators and lecturers. Twenty students, in anticipation of the some 250 visitors will serve as guides.

Refreshments will be served to the parents, their sons and daughters. Professor Hans Mark is heading the program, assisted by Eric Jorgensen.

Geology Program

Geology and Geophysics, soon to be housed in a multi-story Earth Science Center, will open the doors of their department for guided tours of student facilities.

Professor R. H. Shrock, head of the department, and Professor William H. Pinson, Jr., will conduct discussion with parents and sons in Room 24-421.

The tours will originate in 24-421 and will continue from 1:30 to 4:30.

Food Technology Demonstrates

Food Technology majors will run exhibits covering everything from metabolism study to can sealing. At 1:30 Course Twenty professors will greet the parents in 16-333 and conduct them on the informal tours.

Following the tours will be a tea served in 16-333 at three. In addition the department has numerous exhibits.

Turbafilm evaporation concentrating orange juice will be demonstrated in 16-010 by Edward Weiss and Phillip Issenberg. James Tillotson and Raja Tanous will run the votator heat exchanger in the same room. Also in 16-010, Harold Sager and Daniel Wang will be manufacturing antibiotics by fermentation.

Can sealing and sterilization of canned foods will be featured in 16-114 by Mario DeFigueiredo and Steven Tannerbaum.

Seymour Kirschner will conduct a metabolism study and demonstrate equipment for measuring radioactivity in 16-139.

Parents will be able to examine equipment for the microscope examination of bacteria in 16-238. In charge is Myron Solberg. Alvan Pyne will demonstrate food materials made with the aid of microorganisms in the same room.

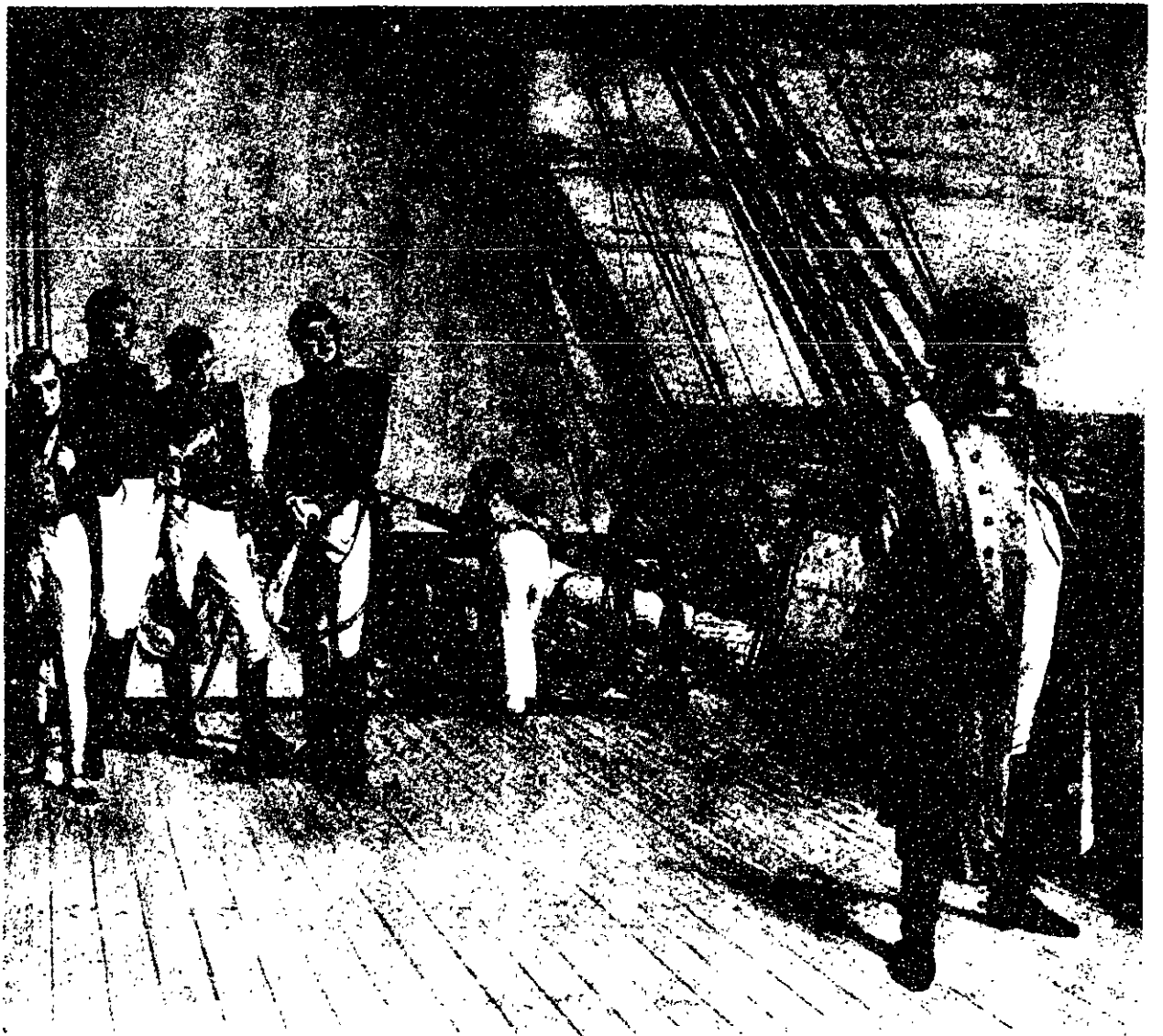
Math Classes Open Discussions at Two

Parents will be able to get a first hand view of the teaching methods and course material as the Mathematics Departments places its morning classes on exhibit.

Sophomore calculus (Differential Equations) classes scheduled for the visitation are the following: At nine: Rooms 2-337, 2-346, 2-345, 2-292, and 2-132; At eleven: Rooms 2-235, 5-108, 5-108, and 8-306.

The faculty of Course Eighteen will hold a discussion for the parents and students in Room 2-290 at two this afternoon.

detail from "Napoleon on the Bellerophon"



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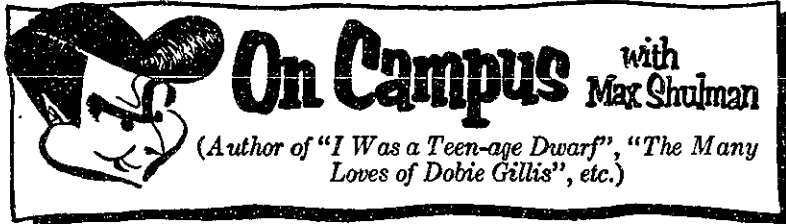
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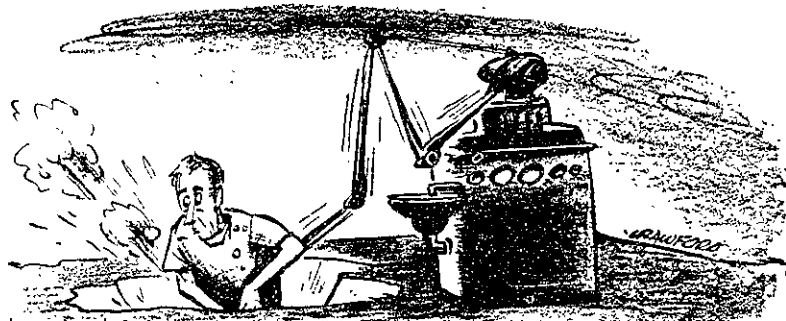
As everyone knows, the most serious problem facing American colleges today is the shortage of parking space for students' cars.

Many remedies have been offered to solve this vexing dilemma. For instance, it has been suggested that all students be required to drive small foreign sports cars which can be carried in the purse or pocket. This would, of course, solve the parking problem but it would make double dating impossible—unless, that is, the boys make the girls run along behind the car. But that is no solution either because by the time they get to the prom the girls will be panting so hard that they will wilt their corsages.

Another suggested cure for our parking woes is that all students smoke Marlboro cigarettes. At first glance this seems an excellent solution because we all know Marlboro is the cigarette which proved that flavor did not go out when filters came in—and when we sit around and smoke good Marlboros we are so possessed by sweet contentment that none of us wishes ever to leave, which means no gadding about which means no driving, which means no parking problem.

But the argument in favor of Marlboros overlooks one important fact: when you run out of Marlboros you must go get some more, which means driving, which means parking, which means you're right back where you started.

Probably the most practical suggestion to alleviate the campus parking situation is to tear down every school of dentistry in the country and turn it into a parking lot. This is not to say that dentistry is unimportant. Gracious, no! Dentistry is important and vital and a shining part of our American heritage. But the fact is there is no real need for separate schools of dentistry. Dentistry could easily be moved to the school of mining engineering. Surely anyone who can drill a thousand feet for oil can fill a simple little cavity.



Take the case of dental student Fred C. Sigafos...

This experiment—combining dentistry with mining engineering—has already been tried at several colleges—and with some very interesting results. Take, for instance, the case of a dental student named Fred C. Sigafos. One day recently Fred was out practicing with his drilling rig in a vacant lot just off campus. He sank a shaft two hundred feet deep and, to his surprise and delight, he struck a detergent mine. For a while Fred thought his fortune was made but he soon learned that he had drilled into the storage tank of the Eagle Laundry. Walter P. Eagle, president of the laundry, was mad as all get-out and things looked mighty black for Fred. But it all ended well. When Mr. Eagle called Fred into his office to chew him out, it so happened that Mr. Eagle's beautiful daughter, Patient Griselda, was present. For years Patient Griselda had been patiently waiting for the right man. "That's him!" she cried upon spying Fred—and today Fred is a full partner in the Eagle Laundry in charge of pleats and ruffles. © 1960 Max Shulman

* * *

Speaking of laundries reminds us of cleanliness which in turn reminds us of filtered Marlboros and unfiltered Philip Morris—both clean and fresh to the taste—both available in soft pack and flip-top box.