

Tom J. Coppeto/The Tech

Long lines at Institute cafeterias will continue for at least several more weeks while MIT studies various solutions to the problem.

ARA copes with crowding

By Andrew L. Fish

The closing of Lobdell Dining Hall has increased demand at MIT's other food service facilities. But MIT is going to wait several weeks before making any changes to the system, according to John Ledwick, general manager of food services.

Lobdell was closed as part of the Student Center's year-long renovation and is not expected to reopen until September 1988.

While Lobdell has been replaced with a temporary dining hall in the Sala de Puerto Rico, the temporary cafeteria has no kitchen facilities and only limited seating capacity. MIT has added a salad bar in Pritchett Lounge and additional registers in Morss Hall to cope with the added load

at Walker Memorial during lunch, but no other measures have been implemented.

ARA, MIT's food service manager, will "wait to see where the flow is" before suggesting any changes to the dining hall system, Ledwick said. "We don't want to overreact," he explained.

Students are being urged to return to their house dining halls for lunch to alleviate crowding, Ledwick said. But he acknowledged that the time needed to return to a dormitory might be prohibitive. Students might be able to purchase lunches in the morning and bring them to class, Ledwick suggested. But such a program is only operating in an informal manner, he said.

In July, H. Eugene Brammer, director of housing and food services, suggested that the Ash-down Dining Hall might be reopened. This will not occur.

Ledwick said business was "picking up considerably" at the food carts located in Lobby 13 and Building 24. He expected the rest of demand to be handled between the increased service at Pritchett and the other dining halls on campus.

A "fast line" with pre-made sandwiches will be added in Morss Hall in the next several weeks, Brammer said. A temporary storage room in the entrance to the dining hall will be dismantled to make room for the addition.

Brammer noted that seating capacity was a limiting factor on what additional services could be

offered. Walker had been crowded during the lunchtime hours even before the closing of Lobdell. The seating at Pritchett has been only slightly increased.

Starvin' Marvin's created

The temporary dining facility in the Student Center, dubbed "Starvin' Marvin's Cafe," has been providing food prepared at 500 Memorial Drive. All of Starvin Marvin's food is raised to the second floor of the Student Center by a lift and sent through a window to reach its final destination, Ledwick said.

The use of prewrapped food has made the operations faster than had been anticipated, Ledwick continued. But a lack of seating at the cafe could be a problem during colder weather, since many customers are presently eating their food outside. Also, if snow closed Vasser St., there would be no way of getting food to the Student Center, he noted.

Because the Student Center operation is transient, the facility is being given a new name each month. "Starvin' Marvin's" was chosen as the first name in honor of the man who spent long hours devising the method of getting food into the building.

The Student Center dining hall will be closed on weekends because of conflicts with construction, Ledwick said. The only facilities open all weekend will be Pritchett and the 500 Memorial Drive snack bar. But Morss Hall, (Please turn to page 2)

Fraternities have many vacancies

By Anu Vedantham

The decreasing percentage of undergraduate men at MIT is causing serious financial problems for the fraternity system, according to Paul W. Parfomak '88, chairman of the InterFraternity Council (IFC).

This year there were 420 vacant slots of housing in the independent living group system. But only around 350 of these were filled by freshmen pledges, Parfomak said. This is the largest number of vacancies in recent years, he noted.

The IFC is planning to hold mid-semester rush events to generate more pledges from the freshman class, but Parfomak does not expect to fill a significant number of vacancies.

"The basic size of the system has not changed much, but the

number of incoming pledges, especially the men, has been seriously reduced," Parfomak said. "Some houses can take the loss of a few people and survive indefinitely. Other houses are having a difficult time adjusting," he added.

The fraternity system has to adjust to this new level of available pledges, as the percentage of entering men is not likely to increase drastically in the next few years, Parfomak said. Because costs for house upkeep must be shared by fewer students, houses may have to take in boarders, go co-ed, cut costs severely, or even consider closing down, according to Parfomak.

Once a living group has a significant number of vacancies, the

next year's rush is limited further, as there is less money and manpower to spare. This could lead to a vicious cycle of ever-increasing vacancies, Parfomak explained.

Also, an increase in vacancies could drive up house bills. Currently, there is little significant difference between the cost of living in dormitories versus independent living groups (with the exception of Student House which aims at cost-cutting). An increase in house bills would further complicate freshmen's choices during Rush Week, Parfomak said.

MIT picks Student Center vendors

By Andrew L. Fish

As the year-long renovation of the Julius A. Stratton '23 Student Center continues, MIT is finishing its plans for the allocation of retail space in the building, according to West Plaza Director of Operations Stephen D. Immerman.

The renovations are progressing on schedule, and the Student Center should be ready to reopen in September 1988, Immerman said. While workers have encountered technical difficulties removing cement from the building, the delays should not effect the overall timetable, Immerman said.

The renovated Student Center

will contain retail stores in the basement and first floor, an expanded ARA-run "food court" on the second floor, and the Student Center Committee Coffeehouse, pinball room and television room on the third floor.

Immerman hopes to finalize the Student Center's retail tenants in the next two months. He is currently focusing his attention on a grocery/convenience store and a bookstore — the two tenant decisions which he feels will be the most difficult.

There are a wide variety of options for the grocery store — ranging from a Store 24-type convenience store to a CVS-type general merchandise/drug store to a full supermarket. Immerman said he has yet to decide what type of store he wants for the building. He pointed out that a

large chain has the advantage of off-site inventory, while a small store will provide individual attention to customers. MIT is currently negotiating with four different vendors.

Choosing a book vendor will also be difficult and must be done carefully. Immerman suggested that the bookstore would also sell newspapers and magazines. He has contacted Wordsworth, Paperback Booksmith, and several other vendors about leasing space. The MIT community has a need for a high-quality bookstore, he said.

MIT is also considering an idea for an "upscale cafe" on the first floor of the building. But the concept of such a restaurant is not well-defined — the proposals Immerman has received need (Please turn to page 2)

Condom machines will be installed

MIT's plan to install vending machines, which will dispense condoms as well as other over-the-counter health products, in the dormitories will soon be underway, according to Medical Director Arnold N. Weinberg.

On Wednesday, the MIT task force in charge of health issues will meet to discuss and finalize the details of the plan. Soon afterward, MIT will place machines in three dormitories as a test. If no problems arise, the other dormitories will also receive machines, Weinberg said.

When the plan was first announced in April, Weinberg cited concern over Acquired Immune Deficiency Syndrome as a prime motivation. At least three members of the MIT community have died of the disease. There are "most certainly" others, Weinberg said.

Bork faces heated debate in Senate hearing

By Robert Adams

Judge Robert H. Bork, President Reagan's nominee for Supreme Court Justice, begins his Senate confirmation hearings today, with what one MIT political scientist sees as an even chance of being approved by the Senate.

"He has about a 50-50 chance of being approved," said Louis Menand III, senior lecturer in political science. "It will depend on the content and the context of the hearings. He will try to set the context. He is very affable."

Professor Walter Dean Burnham agreed: "It will be unusually close, probably the closest confirmation hearings since 1971."

Bork's opponents in the Senate, including Judiciary Committee Chairman Joseph Biden (D-DE), have painted the US Appeals Court Judge as a dangerous ideologue who could help overturn years of progress on civil rights and liberties.

Menand said he felt Bork would be "powerfully influential" on the Supreme Court because of his dominant personality.

In addition, Bork's presence would have a major impact since he would replace Lewis Powell, a swing vote on the Court, said Professor Charles Stewart III of the department of political science. Bork would exert considerable influence by force of intellect as well, Stewart added.

"The hearings will be very contentious, and it is unclear what Bork's strategy will be," Stewart said. The nature of the hearings will be strongly influenced by how contentious and evasive Bork becomes, Stewart suggested.

Stewart sees the confirmation fight lining up along ideological lines. "It will be highly partisan. It could get bottled up in a filibuster. It could become embroiled in other issues such as the debt ceiling or defense spending," he said.

Landmark decisions may be overturned

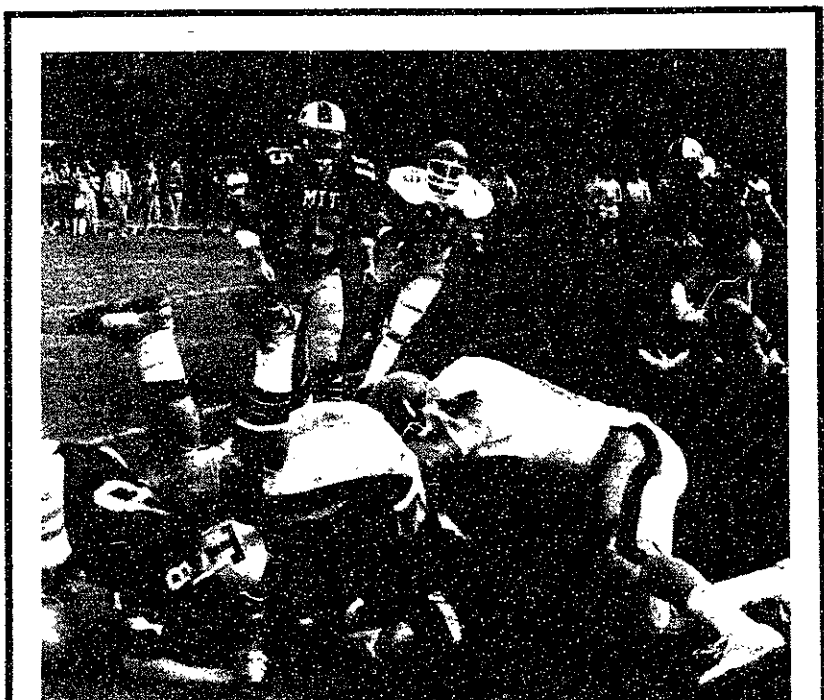
In the 1973 *Roe v. Wade* decision, the court ruled 7-to-2 that abortion is a constitutionally pro-

tected right, but the most recent abortion decision was only 5-to-4, and the appointment of Bork would shift the court to a 4-to-5 balance, Menand observed.

Bork would very likely vote to overturn the Supreme Court's 1964 one-man/one-vote decision, the *Griswold v. Connecticut* privacy-rights decision, and most of the court's decisions on affirmative action, Menand added.

Burnham, an expert on American politics, said Bork's influence on the court will depend strongly on whether Reagan appoints another justice during his term and whether a conservative Republican is elected in 1988.

In the long run, Bork would probably affect previous decisions, but the Supreme Court has historically been hesitant to overturn precedents, Stewart noted. Also, since the Supreme Court cannot initiate cases, the extent to which previous decisions can be overturned is limited. Many decisions will depend on the way particular cases are framed.



Kyle G. Peltonen/The Tech

MIT moves the ball forward for a short gain in Saturday's game vs. UMass-Boston. The Engineers' 3-0 halftime lead was erased in a 28-3 loss.

Food service copes with crowding

(Continued from page 1)

Baker House and 500 Memorial Drive will all serve Sunday dinner.

Brammer pointed out that MIT Food Services used to close on the weekend to encourage students to eat off-campus.

Meal plans altered

MIT is starting its new meal plan system, in which all students with required meal plans will pay the same amount. In the past, freshmen paid the most and seniors the least. Ledwick said the new system is more equitable.

While there are now fewer actual choices for initial meal plans, Ledwick said there were in effect "an infinite" number of plans. In the past, students had to increase from one plan to the next. But now plans can be raised in \$25 increments.

Ledwick said that ARA was "trying to provide enough opportunities" for students on required meal plans to spend their money, in spite of the renovations.

A \$20 fee is being imposed on

continuing students who want to receive a refund for unused meal plan money between fall and spring terms, Brammer said. ARA will carry the unused balance over to the spring term at no cost. This measure was being implemented to deter students from simply using their meal plan as a bank. MIT had, in the past, absorbed the administrative cost of refunding unused balances. The revenue from this fee will not go to food service, Brammer said.

Price increases needed

ARA increased its prices over this summer only to bring rates up to market value, Ledwick said. He asserted that the prices were still cheaper than those of surrounding commercial establishments and pointed out that MIT pays the same wages as these establishments.

Ledwick also explained that ARA could not afford to sell "bottom-end" sandwiches at such cheap prices. Prices of sand-

wiches at the Student Center are slightly cheaper than those at other dining halls to offset the inconvenience of the renovations and because the sandwiches are pre-made.

Future for ARA

Ledwick said MIT's food service was on "pretty solid ground" financially. While he said that ARA was slightly behind its five-year plan, the lag was due to unanticipated costs related to the Student Center renovation.

ARA will soon begin planning for renovations at Walker — this work will not begin until after the Student Center is complete. In addition, Brammer said Food Services was considering putting a kosher service into Pritchett in the next several years.

Brammer said he was happy with ARA's progress and has received fewer complaints about MIT's food service since the management company assumed responsibility for operations.



Anthony Lee
The MIT women's sailing team hosted the Man Labs Trophy races on Saturday. MIT finished 7th out of 11 schools.

MIT to choose vendors for new Student Center

(Continued from page 1)

more space than he would like to allocate. He said a full restaurant would be considered; otherwise, the planned ice cream parlor might occupy this location.

Immerman is also deciding who should sell such items as MIT insignia and stationary. A store could be devoted to the items, or they could be sold by a convenience store.

MIT should try to use as many local vendors as possible in the retail area of the Student Center, he said. The ice cream parlor would almost certainly be run by Toscanini's. The MIT community already patronizes the Toscanini's store on Main Street, and Toscanini's seems eager to open a branch on campus, he said.

MIT is negotiating with the Harvard Cooperative Society and University Stationary for a stationary store; the Coop and the MIT Museum are in contention

for insignia sales. Local retailers would be more familiar with the MIT community and the most responsive to their needs, he said.

The new Student Center will definitely have automatic teller machines, and Immerman is considering the possibility of putting a full bank branch in the building. But a bank branch requires additional space for vaults and also raises security problems for the building, he said.

MIT has enough proposals to lease "twice the space" that will be available in the Student Center. Space constraints could cause him to reduce the number of stores — if the stores are too small, they will become inaccessible.

The Campus Police have made preliminary plans for increasing patrols in the Student Center, Immerman said. Security plans will continue throughout the year.

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news roundup

from the associated press wire

World

Reagan reveals new arms move

President Reagan announced yesterday that the latest US version of a proposed US-Soviet treaty to do away with medium and short-range missiles is ready to go. He told American negotiators to present it to their counterparts in Geneva, and he claimed it has the strongest safeguards against cheating ever proposed. The plan outlines steps to eliminate both sides' medium-range nuclear missiles and launchers in three years — and short-range ones in one year. However, the pace of the destruction has not yet been decided.

Reagan is scheduled to meet Soviet Foreign Minister Eduard Shevardnadze today. In addition to arms control, the President is likely to press Shevardnadze on human rights progress. Reagan promised a Jewish group that he would push the Soviets to remove restrictions on Jewish emigration.

US diplomat released by Panama

Diplomat David Miller has been released in Panama a day after being seized by police, US officials announced yesterday. He was detained on Sunday after watching men in civilian clothes fire into anti-government demonstrators. One person died in that incident. A Panamanian government newspaper said the American economic advisor instigated the demonstration. But a State Department spokesman said Miller had only been observing when "a gun was held to his head and he was detained."

NATO plane collides with Soviet jet

A NATO surveillance plane and a Soviet jet collided on Sunday flying through international airspace over the Barents Sea. Norway's Defense Command said both aircraft were able to land safely and there were no reported injuries. The Norwegian aircraft, on a routine surveillance flight, did sustain some damage.

Discloser of US-Iran arms sales shot

The Lebanese journalist who disclosed the secret US arms sales to Iran was shot and wounded yesterday in West Beirut by a gunman riding a motorcycle. Hassan Sabra, publisher of the magazine *Ash-Shiraa*, may have been blinded. Sabra, a Shiite Muslim, has made enemies by reporting on Iranian politics and the foreign hostages in Lebanon.

Navy to expand Gulf minesweeping

Officers aboard the helicopter carrier *Guadalcanal* said US Navy minesweeping helicopters are expanding their operations in the Persian Gulf to search for more sophisticated types of mines. They said the so-called *Influence* mines are designed to explode without actually coming in contact with a ship.

US abdicates family planning leadership

A leading population group said Sunday that the United States has abdicated world leadership in birth control and family planning aid. A new report from the Population Crisis Committee said the United States ranks seventh in making birth control available to its citizens. The committee said the United Kingdom leads the developed world in this field. West Germany and France also scored high.

UN ends 41st year

Out with the old and in with the new at the United Nations. The 41st General Assembly closed yesterday. Its outgoing president — the foreign minister of Bangladesh — urged the UN to close the gap between rich and poor and to achieve global disarmament. It is expected that East German Deputy Foreign Minister Peter Florin will be chosen as the new president when the 42nd General Assembly convenes today.

Nation

Bork confirmation hearings start

The Senate Judiciary Committee starts hearings today over confirmation of Judge Robert Bork, the President's nominee for the Supreme Court. The Reagan Administration is confident that Bork will be confirmed. White House Chief of Staff Howard Baker predicted the President's nominee would win confirmation.

However, on NBC's "Meet The Press" on Sunday, Senate Judiciary Committee member Howard Metzenbaum (D-OH) said Bork faces an uphill battle.

The confirmation hearings may be generating big waves on Capitol Hill, but the rest of the country doesn't seem very interested. More than two-thirds of the people surveyed for a Media General-Associated Press poll said they have no opinion about whether Bork should serve on the high court. But more than half said the Senate should not base its decision on the nominee's political leanings.

Elizabeth Dole to leave cabinet

Transportation Secretary Elizabeth Dole — the only woman in the cabinet — announced yesterday that she will leave her post at the end of the month. She wants to devote all her time and energy to her husband's campaign for the Republican presidential nomination. US Sen. Robert Dole (R-KS) is expected to officially announce his candidacy sometime next month.

Sports

Guerrero still critical after crash

Indy-car driver Roberto Guerrero remains in critical but stable condition at an Indianapolis hospital after suffering serious head injuries in a crash Thursday. The Colombian driver was testing tires at the Indianapolis motor speedway.

A hospital spokeswoman said yesterday Guerrero has improved but still remains unconscious.

Smokeless cigarette in the making

"We think this will be the world's cleanest cigarette," said Edward Horrigan, chairman of RJ Reynolds Tobacco Company. The cigarette manufacturer has announced it is developing an almost smokeless cigarette that does not burn tobacco and greatly reduces the production of substances linked to health concerns. Horrigan said the product is still in the research stage. The company hopes to test market the product in a limited area in 1988.

Weather

Prescription filled

After a rather "blah" weekend, this week's weather will be just what the doctor ordered. Another dose of fine late summer New England weather will be ours today as high pressure crosses the area. A weak disturbance will pass through New England Wednesday, creating a slight chance of rain. Thursday and Friday should be dry and mild as high pressure builds southward behind Wednesday's disturbance.

Tuesday: Mostly sunny and mild. High 77°F (25°C).

Tuesday night: Clear and cool. Low 59°F (15°C).

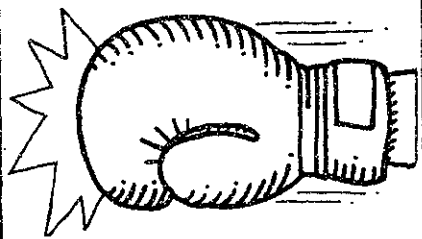
Wednesday: Sunny early, with some clouds arriving during the afternoon. High 76°F (25°C). Low 61°F (16°C).

Thursday: Becoming sunny and mild. High 75°F (24°C). Low 60°F (16°C).

Forecast by Michael C. Morgan

Compiled by Jeff Kim and Niraj Desai

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Please call:
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The Data Analyst will be responsible for setting up data files, writing and executing analysis programs, and evaluating findings.

Please call:
Steve Schneider, x3-5134

AUDIENCE RESEARCH FACILITY STAFF

This is a full-time UROP position (10 hours per week). The ARF staffer will assist in all phases of research conducted at the facility in the Liberty Tree Mall in Danvers.

Responsibilities will include: recruiting subjects, administering surveys, conducting interviews, entering completed surveys into an existing data base and maintaining the facility.

Please call:
Debbie Campbell, x3-7511 or x3-3135

MIT MEDIA LAB

Research assistants are needed to assist in the development of various interactive videodisc applications.

Students will learn to program using MAGIC L, contribute to the design of the system, program the application on a Touch Com system, and work on integrating various interface devices.

Students should be able to program, and have some knowledge of interface devices and/or digital design.

Please call:
Dr. Diana Gagnon, x3-0307

opinion

Editorial

ARA reacts slowly to Institute needs

The year-long closing of Lobdell Dining Hall and permanent closing of Twenty Chimneys has resulted in long lines and poorer service at some of MIT's other dining halls. Last week, the queue at Morss Hall extended down the front steps of Walker Memorial at noontime. The snack bar at 500 Memorial Drive and Pritchett Lounge are the only dining spaces open on campus on Saturday.

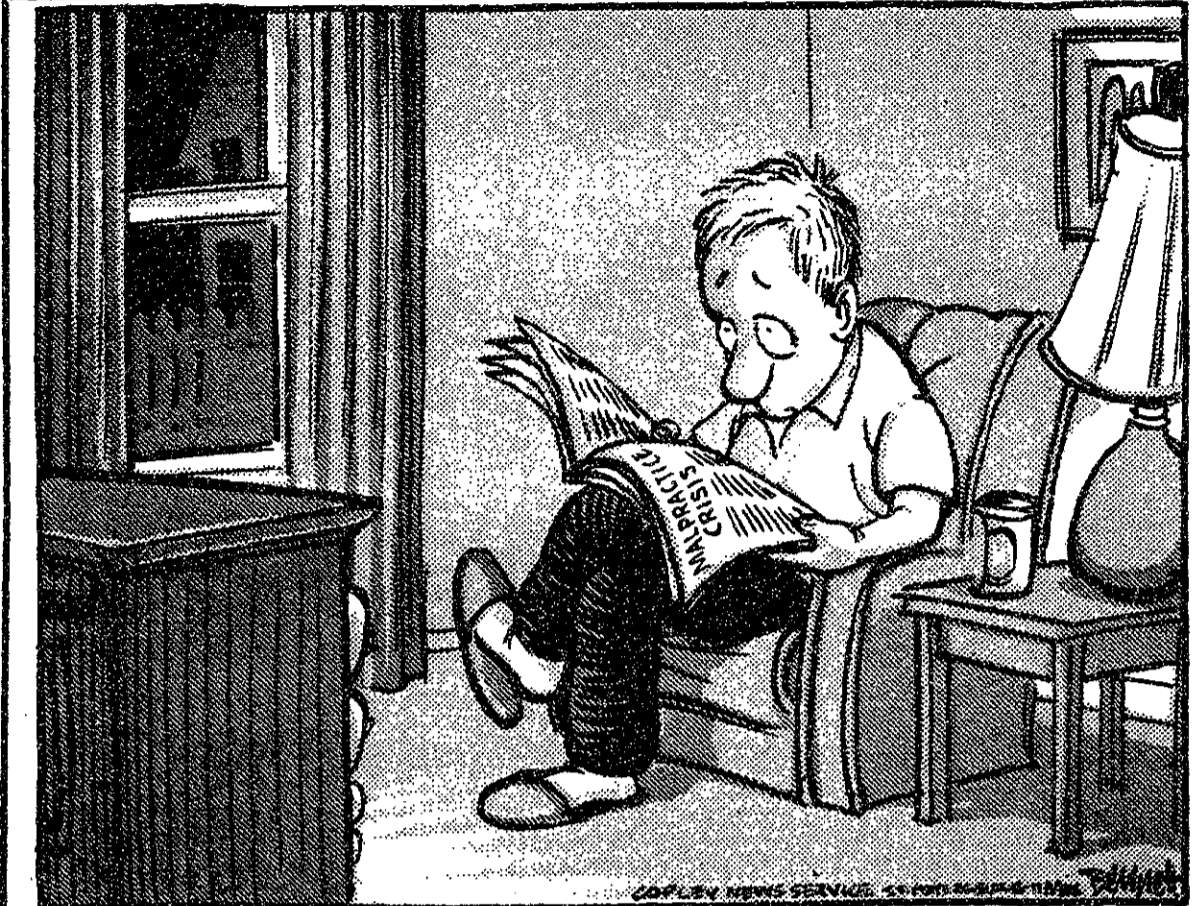
These troubles reflect ARA's passive approach to the problems resulting from renovations of the Student Center.

In response to the anticipated overflow of customers at the dining halls, ARA has set up a temporary dining facility in La Sala de Puerto Rico and installed a salad bar in Pritchett Lounge. John Ledwick, general manager of food services, has said that ARA doesn't "want to overreact" and wants to "wait to see where the flow is." But in the meantime, the MIT community is being inconvenienced by ARA's unwillingness to implement substantive solutions to the overflow now.

ARA should consider additional ways of ameliorating the situation:

- Re-open Ashdown House's dining hall.
- Lower the mandatory meal plans so that students do not feel as compelled to wait in long lines to use their meal points.
- Extend daytime hours.
- Offer the students the option of purchasing bag lunches from their respective dormitory dining halls.
- Open Morss Hall for the full weekend.

If ARA is interested in keeping the MIT community on campus, it must offer more enticement than long lines and short hours.



... When asked what aspirin they would want if stranded on a desert island, 3 out of 4 doctors were afraid to recommend anything.

Column/Thomas T. Huang

The tyranny of the majority

Imagine if you can the feeling of drowning — the ensuing suffocation, silence, and invisibility. It's sink-or-swim, but nobody has shown you how to stay afloat. As the sea envelopes you, nobody can hear your cries for help. You are isolated. You can't breathe, trapped without a lifesaver to buoy you to safety.

This is how Dr. Anna Grant, an educator at all-black Morehouse College in Atlanta, GA, would describe the feelings of most minority students in predominantly-white universities. I met Grant at a minority education workshop at Boston University when I was working on a story about racism on college campuses last spring.

Overt racism may be in decline, but a wall still bars minorities from working with whites on equal terms. Unfortunately, most colleges mistake dissolving this wall with forcing minorities to assimilate to the majority. In this country, similarity is often mistakenly tied to equality.

Two hundred years ago, our founding fathers embarked on ships of democracy and pluralism, seeking to establish a nation that both fostered equality and allowed members of diverse ethnic groups to maintain their identities.

We still speak of this nation as a melting pot of different races and nationalities, but, in doing so, we must remember that this crucible of ours holds an unbalanced mix. Namely, white males dominate the ranks of this country's economic and political elite.

Racism abounds in America, and the ultimate tragedy is that children of color — black, brown, red, yellow — learn to value similarity, not diversity. They hold a poor self-image of their color. They come to believe that, by shedding their ethnic identities, they can join the in-group. The tyranny of the white majority, aided by democracy, triumphs.

Higher education can help minorities fight such tyranny, but this education must be carried to completion. The affirmative action policies of our universities attack the deep-rooted racism of this country, but they really only march half-way to the battle. Minority recruitment is not enough; universities must work to retain

minorities. Moreover, in these retention schemes, the universities must help those minorities who want to keep their racial identities intact.

Because the number of minority students and professors on American campuses is so small, many minority students encounter a feeling of isolation in academic and social settings. They also feel an immense pressure to prove to white students and faculty that they can succeed.

Grant said that, in her experience, top black students are almost never inducted into honor societies. She said that minority students find that most of their peers and faculty don't expect them to do well, and this damages their self-esteem, as well as their self-confidence to perform. In other words, the academic performance of minorities becomes a self-fulfilling prophecy.

In view of this, Grant stressed the importance of academic support, counselling, and social groups specifically geared to help retain minorities. She also suggested that the education at black colleges presents significant advantages over predominantly-white colleges: students can concentrate on their studies and prepare themselves for the real world, while avoiding having to prove how black they are — or how white they are.

In my earlier days at MIT, I looked down upon such self-chosen forms of segregation — all-black colleges, all-black living groups — for I thought students

should seek diversity. But by criticizing such living groups as Chocolate City for encouraging the clustering of minorities, we are really saying that minorities must assimilate themselves to whites — forsaking their traditions and racial identities. By criticizing such programs as Project Interphase for favoring minorities, we are really trying to pretend that the white man did not stack the cards to start out with.

I view these programs as necessary because we live in a racist society. If some black students feel they can best educate themselves at an all-black college, then they must have the right to do so. If black students feel they can best enjoy their careers at MIT by living in Chocolate City, they must be given such a choice. If minorities need the academic support of the Office of Minority Education, then we must make sure such an office does not lose its budget.

If institutions of higher education actively develop exclusive support programs and social groups for minorities on their campuses, more minorities will graduate to become leaders of their society, role models for the young. Perhaps then the American society will finally realize equality among a diverse people.

Thomas T. Huang G, a student in the department of electrical engineering and computer science, is a former editor in chief of The Tech.

Column/K.J. Saeger

TV news has leftward swing

A comedian once lamented that "there should be a way to make television smarter — my set has a knob marked 'brightness,' but it doesn't help." There does, however, exist an interesting correlation between the channel selector and the liberal bias of the network news programs.

As an enlightening, pseudo-experimental investigation of the nightly network news programs, I watched all three network news shows (NBC, ABC, and CBS) on a particularly uneventful day, Wednesday, Sept. 9.

All three of these news programs, "The CBS Evening News

with Dan Rather" (channel 7), "ABC's World News Tonight with Peter Jennings" (channel 5), and "The NBC Nightly News with Tom Brokaw" (channel 4), ran stories on Supreme Court Justice Thurgood Marshall's unsavory remarks about President Reagan's civil rights record, an FDIC bailout of a Texas bank, the new AIDS commission, the Iran-Iraq war, Gary Hart's "Nightline" confession, and the Pope's visit to America.

The bank bailout stories and the stories on the Iran-Iraq war were mostly factual.

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opinion

Channel flipping shows CBS news bias

(Continued from page 4)

The stories on the Pope's visit varied from network to network with the stories carried by ABC and NBC again being mostly factual, concerning themselves with security precautions being taken. The CBS story dealt with Pope "schlock" being merchandised. Although this story was mostly fluff, it was, at least, nondirective.

Similarly, all three networks replayed Hart's "astonishing" confession of infidelity. But while ABC and NBC spent more time actually on Hart, CBS chose instead to spend an inordinate amount of time on Donna Rice's new line of jeans "No Excuses." Again, the CBS story was unbiased filler.

The varying liberal biases of the networks were unmistakable, however, in the reports on Marshall's remarks and on the AIDS commission. With respect to the former, NBC had the most objective coverage with ABC not far behind. Both stories showed Marshall's remarks in context. Also, both stories pointed out that Marshall frequently attacks the conservative side.

The CBS story was unfair in almost every respect. Loaded language was used throughout the story, beginning with "Marshall slammed Reagan's civil rights record." No mention was made of Marshall's penchant for histrionics or of the fact that there is no novelty in his attacking conservatives.

The NBC story on the AIDS commission began with excerpts from the opening talks from Otis Bowen, identified three committee members with whom certain activists were upset, and ended with Koop stating that AIDS could be a threat to civil rights.

The ABC story and the CBS story were much more negative. The opening to the CBS story showed some generic activist stating that he doubted the president's sincerity because the presi-

dent had appointed amateurs to the committee. No opposing views were shown (I guess activists are more photogenic than other people).

Congress came back to session, which got coverage by ABC and CBS but not NBC. The ABC story concerned itself with the confirmation hearings for the new head of the FBI, while CBS chose this story to attack the president. It began by stating that this began the "battle for the national agenda." To show how the battle lines were being drawn, CBS first showed a commercial made by liberal Democrats proclaiming, "It's your deficit, Mr. President."

This was followed by stating that Reagan's only agenda item seems to be the confirmation of the "conservative extremist" Bork. In an effort to give time to conservative viewpoints, a clip was shown of some Republican quibbling saying how "times have changed" since the days when Congress supported the President.

Now, as you can see, a trend is discernable. Beginning at what I will call unbiased reporting at channel 2 (PBS), you go 2 clicks to the left (please note direction) to arrive at the slightly more biased, yet still watchable, channel 4 (NBC). Another click to the left and you've got the slightly more biased channel 5 (ABC). Now, if you have the stomach for it, you can go the whole way with two more clicks to the left to reach channel 7 (CBS).

Following the general trend of how bias increases as the channel number increases, you would expect Pravda to have a news program on channel 8 or 9.

In an effort to be fair to CBS, I was first going to attribute much of this bias to yellow journalism. CBS certainly has a taste for sensationalism.

But that was before I noticed one curious omission on the part of CBS. Both NBC and ABC ran a story on a confession by "Jane Roe" of Roe v. Wade fame. She

confessed that she had gotten pregnant through an act of love, not through a gang rape as she had originally stated.

Although the method of her impregnation had no bearing on the Court's ruling, it did have much to do with public opinion for her position. Obviously, this is a sensationalistic story, yet CBS chose not to attack one of the patron saints of liberal causes by using it.

So, please, use your channel selector wisely, avoiding too many clicks to the left. As for me, until a network news program begins airing on channel 0, I'll be sticking with PBS on channel 2.

K. J. Saeger G is in the department of aeronautics and astronautics.



feedback

Science, engineering must be taught together

To the Editor:

Conventional wisdom holds that the difference between science and engineering is something like the difference between the offense and defense units on the same team with each bringing very different skills and motivation to carrying out their part of the task.

We are accustomed to hear that scientists are motivated to acquire knowledge and engineers are motivated to apply knowledge. The implication is that important cultural differences exist which should be respected.

Indeed in most leading universities, including MIT, science and engineering are organizationally separate. This separation serves to strengthen existing patterns and confirm conventional beliefs about the style and function of scientists and engineers in modern technical society.

This conventional view might well be questioned. And it is particularly appropriate to do so now at MIT, at a time when we are undertaking a broad re-examination of undergraduate education.

I believe that we should move fundamentally from a paradigm based on the differences between science and engineering to a paradigm based on the unity of technology. In this regard it is worthwhile to note that we are a university with the word *technol-*

ogy in our name, not *science and engineering*. I believe there is a difference.

Technology may once have meant "industrial arts" or tools of science and engineering. But today technology carries with it the connotation consistent with the original Greek meaning of a systematic treatment of a scientific subject. In this sense, technology encompasses all that must be known for successful technical exploitation of a substance, process, or phenomenon.

With this perspective, the transition from science to engineering proceeds along a continuum for many (but not certainly all) of the technical subjects with which we are concerned.

The most important reason for considering a change toward a technology paradigm is the nature of the technical challenges we will want to address in the future. A partial list must include brain science and cognition, materials science and engineering, biotechnology, fusion, earth science, microelectronics, and intelligent computation.

At MIT, we are fortunate to have an interdepartmental laboratory system which permits an appropriate interdisciplinary approach to such problems. And progress is being realized in these areas (both at MIT and elsewhere) without regard to distinctions between scientists and engineers.

Secondly, while the common view holds that most innovation takes place by a linear process of research, development, and deployment followed by operation and maintenance, this process is not always followed.

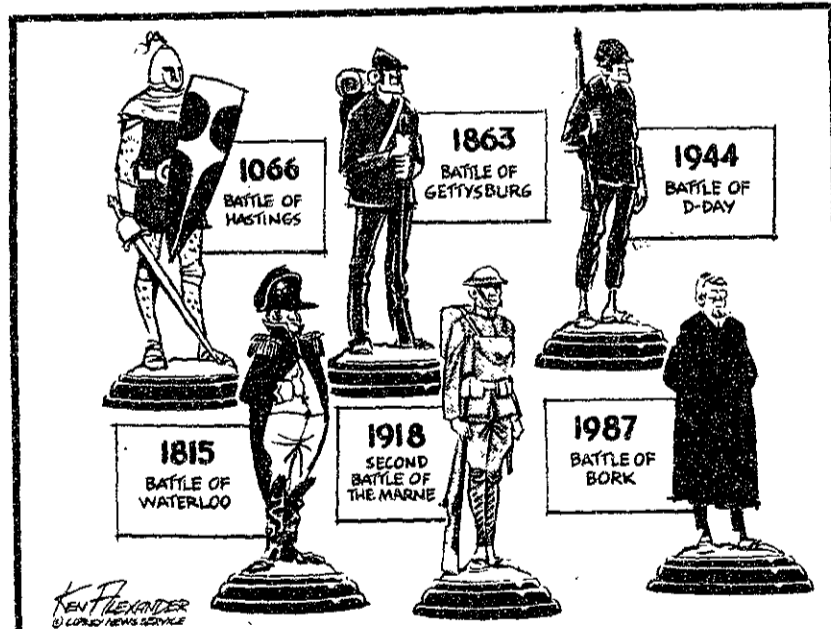
This conventional process can be short-circuited in several ways. Research advances can find practical applications extremely rapidly, or problems which arise in the field can reveal genuinely interesting fundamental problems which require new knowledge or techniques for their solution.

For this latter type of innovation to happen, however, individuals must be both motivated toward and comfortable with the richness and complexity of the real world of technical application.

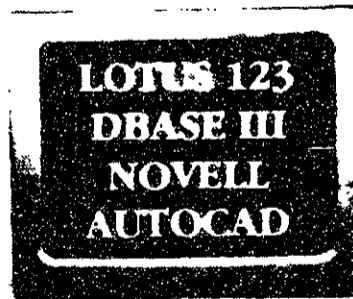
The educational program all too frequently teaches principles and applications separately. While it is difficult to teach a subject that integrates both these aspects of technology, it is an objective worth achieving at MIT. Subjects that combine, for example, solid-state physics and device design, or mathematics and circuit design, or drug design and manufacture are highly exciting for students.

We should be encouraging more such offerings at MIT to the benefit of the educational experience we offer our students.

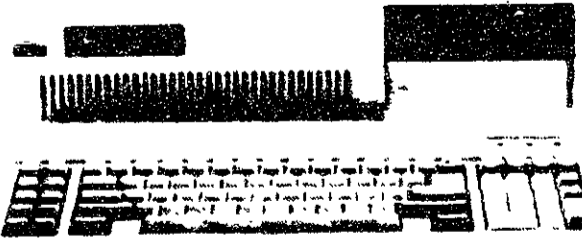
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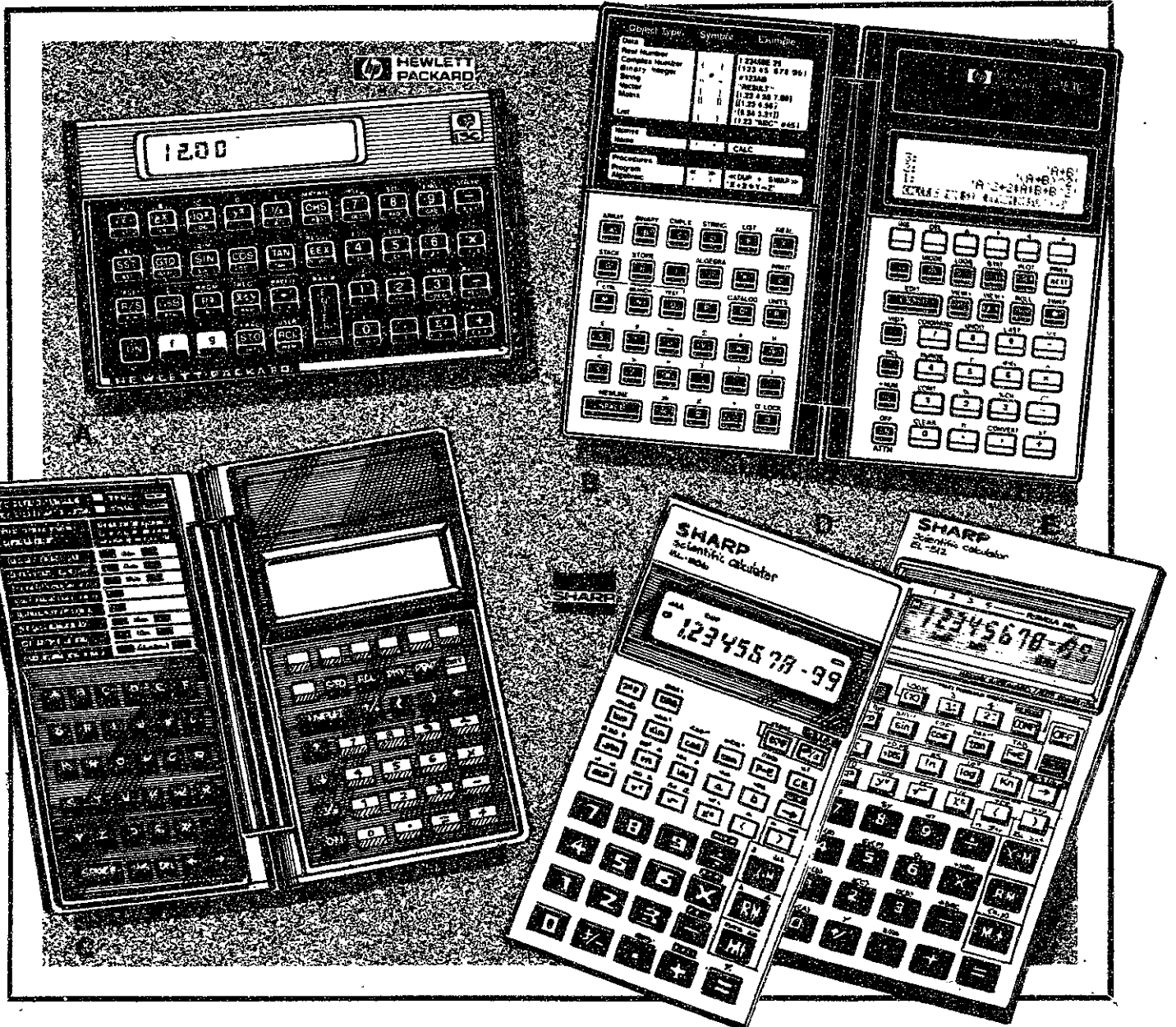
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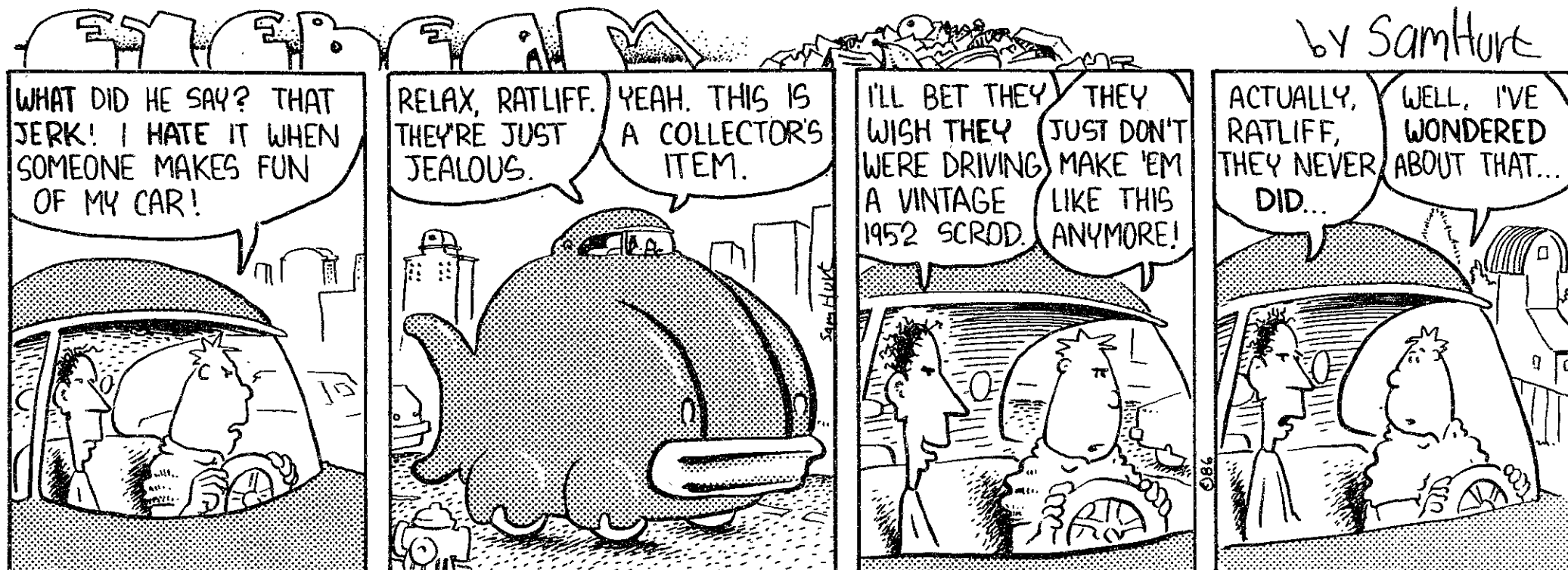
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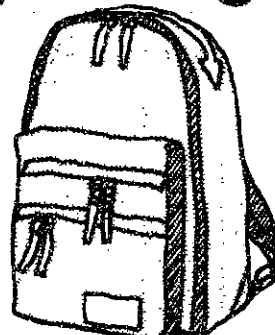
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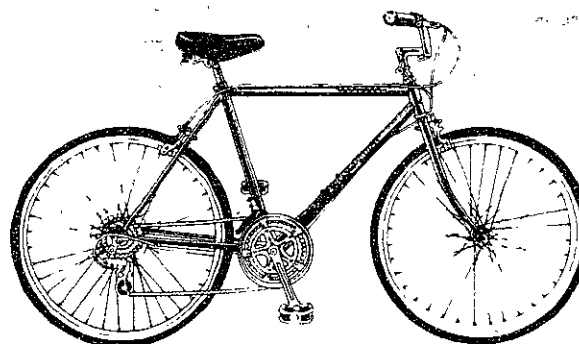
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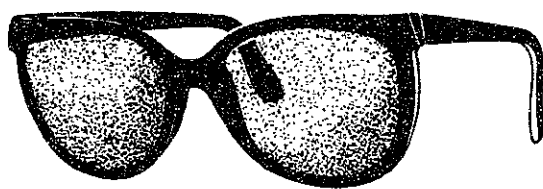
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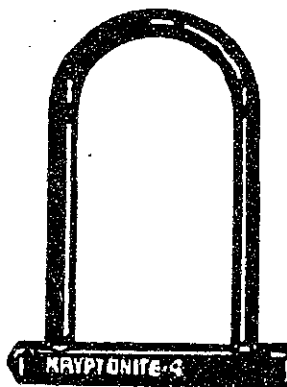
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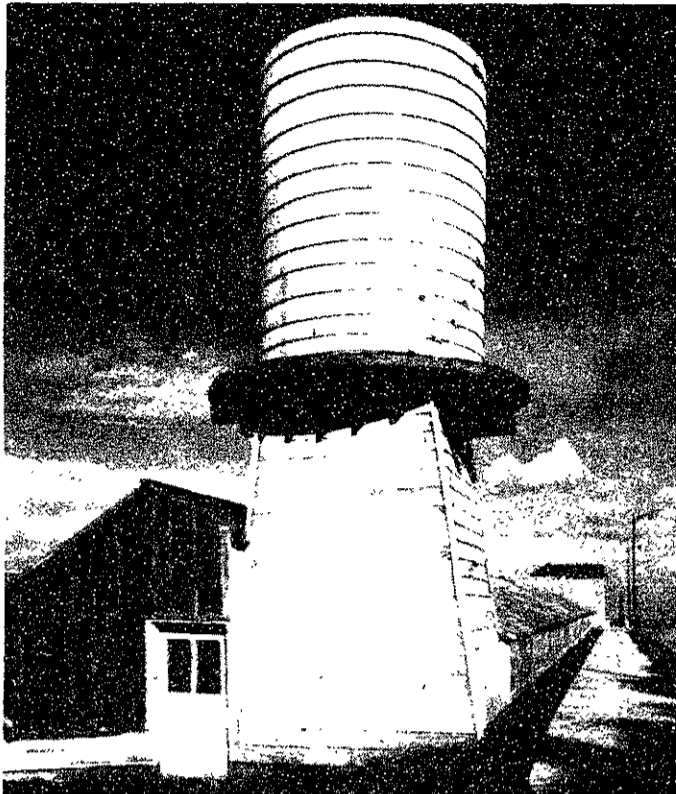
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ARTS

On The Town

Compiled by Peter Dunn



Ansel Adams, "Water Tower, 1961, S.F.," Clarence Kennedy Gallery through October 24.

Ongoing

THEATER

"Le Cirque Imaginaire" ("The Imaginary Circus"), the celebrated two-person circus created and performed by the husband and wife team of Jean Baptiste Thierie and Victoria Chaplin, continues through September 20 at the American Repertory Theatre, Loeb Drama Center, 64 Brattle Street, Cambridge. Performances are Tues-Sat at 7:30 pm and Sun at 2 pm. Tickets: \$13-\$26. Telephone: 547-8300.

*** CRITIC'S CHOICE ***
"Satchmo: America's Musical Legend," the musical based on the life and music of Louis Armstrong, continues its pre-Broadway engagement through October 11 at the Colonial Theater, 106 Boylston Street, Boston. Performances are Tues-Sat 8 pm, Wed & Sat 2 pm matinees, Sun 3 pm. Tickets: \$15-\$35. Telephone: 426-6444.

"Shear Madness," the long-running comic murder mystery, continues indefinitely at the Charles Playhouse, 76 Warren Street, Boston. Performances are Tues-Fri at 8 pm, Sat at 6:30 and 9:30 pm, Sun at 3 and 7:30 pm. Tickets: \$16 and \$19. "Jan Mickelson Acting Shakespeare," the British actor's one-man show, also continues through October 4 at the Charles Playhouse. Performances are Tues-Sat at 8 pm, Sat at 2 pm, and Sun at 3 and 7 pm. Tickets: \$18-\$25 [\$5 off regular box office price with college ID]. Telephone: 426-6912.

"Balm in Gilead," a drama by Lanford Wilson, continues through October 24 at the Alley Theater, 1253 Cambridge Street, Cambridge. Performances are Thurs-Sun at 8 pm. Tickets: \$10. Telephone: 491-8166.

"Cherry," the world premiere of the vaudeville-inspired musical, continues indefinitely at Nucleo Eclectic, 216 Hanover Street, Boston. Performances are Thurs-Sat at 8 pm. Tickets: \$10 advance/\$12 at the door. Telephone: 367-8056.

"Saltimbanques," a surreal comedy of life on the road with an oddball family of circus performers, continues through September 20 as a co-production of the Studebaker Movement Theater Company and the New Ehrlich Theatre at 539 Tremont Street, Boston. Performances are Wed-Sun at 8 pm. Tickets: \$10 general, \$6 seniors and students. Tel: 482-6316.

"Forbidden Broadway 1987," the musical comedy revue with parodies of various famous personalities, continues indefinitely at the Boston Park Plaza Hotel Terrace Room, Park Square. Performances are Tues-Fri at 8 pm, Sat at 7 and 10 pm, Sun at 3 and 6 pm. Tickets: \$15-\$21.50. Telephone: 357-8384.

EXHIBITS ON CAMPUS

*** CRITIC'S CHOICE ***
The List and Stratton Student Loan Collections are on exhibit through September 18 at the MIT Hayden Gallery, List Visual Arts Center, 20 Ames Street. These framed works are available, by lottery system, to full-time MIT students for display in their living areas throughout the academic year. Gallery hours are weekdays 12-6 and weekends 1-5. No admission charge. Telephone: 253-4680.

"Inner Spaces: New Macrolens Abstracts," spectacular color photographs of flowers by Vernon Ingram, MIT professor of biology, continues through October 31 at the Compton Gallery of the MIT Museum (10-150), just off the infinite corridor. Gallery hours are weekdays 9-5. No admission charge. Telephone: 253-4444.

EXHIBITS

The Faculty Exhibition continues through September 20 at the School of the Museum of Fine Arts, Grossman Gallery, 230 The Fenway, Boston. Hours are Mon-Fri 10-9, Sat 10-5, and Sun 1-5. Telephone: 267-6100 ext. 655.

"Charlotte Andrey Layman: Portrait Drawings" continues through September 26 at the Newton Free Library, 345 Walnut Street, Newtonville. Hours are Mon-Fri 9:30-6, Thurs 9:30-9, and Sat 9:30-5. Telephone: 552-7162.

An art exhibit of contemporary British photography entitled "The Other Body: Cultural Debate in Contemporary British Photography," featuring work by Victor Burgin, John Hillard, Jo Spence, and Mitra Tabrizian, continues through September 27 at the Boston University Photographic Resource Center, 602 Commonwealth Avenue, Boston. Gallery hours are Tues-Sun 12-5, Thurs until 8 pm. Admission: \$2 general, \$1 seniors & students. Telephone: 353-0700.

"Flying Colors," an alumni, faculty, and student exhibition continues through September 29 at the Art Institute of Boston, 700 Beacon Street, Boston. Telephone: 262-1223.

A photography show, featuring works by Boston artists Erika Adams and the Stars Twice and by New York artist Mark Morrisroe, continues through September 26 at the Boston University George Sherman Union Gallery, 775 Commonwealth Avenue, Boston. Gallery hours are Mon-Fri 10-5, Wed until 8 pm, and Sat 12-5. No admission charge. Telephone: 353-9425.

An exhibition of photographs, paintings, and sculptures by artists from the Fort Point Arts Community, Inc. of South Boston continues through October 23 at the Federal Reserve Bank of Boston Gallery, 600 Atlantic Avenue, across from South Station. Gallery hours are Mon-Fri 10-4. No admission charge. Telephone: 973-3454 or 973-3368.

*** CRITIC'S CHOICE ***
"Ansel Adams: A Special Relationship," an exhibition of over 60 original Polaroid photographs by Ansel Adams, continues through October 24 at the Clarence Kennedy Gallery, 770 Main Street, Cambridge. Gallery hours are Tues-Sat 11-5. No admission charge. Telephone: 577-5177.

"Jene Highstein: Sculpture and Drawing" continues through October 25 at the Brandeis University Rose Art Museum, Waltham. Telephone: 736-3434.

The Boston University Art Gallery opens its 1987-88 season with "The First American: Selections from the Nancy Sayles Day Collection of Latin American Art," featuring 56 paintings, prints, drawings, photographs, and sculptures surveying the major developments in Latin American modernism. Continues through October 25, Mon-Fri 10-4, Fri evening 7-9, and Sat-Sun 1-5. Located at 855 Commonwealth Avenue, Boston. No admission charge. Telephone: 353-3229.

*** CRITIC'S CHOICE ***
"The Silver of Tiffany & Co., 1850-1987," pointing out the distinctive Japanese and reposit works for which the firm received worldwide acclaim and tracing the changing styles of the firm's wares from the revival styles of the nineteenth century through the Art Deco of the 1930s to contemporary trends, continues through November 8 on the first floor of the Richard B. Carter Gallery at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Telephone: 267-9300 ext. 445.

"Napoleon in the Eyes of his Contemporaries," prints from France, Great Britain, and the German and Italian states of his time, continues through December at Boston University's Mugar Memorial Library, Department of Special Collections, 771 Commonwealth Avenue, Boston. Gallery hours are Mon-Thurs 8 am-11 pm, Fri-Sat 8 am-5 pm, and Sun 10 am-11 pm. No admission charge. Telephone: 353-2134.

"Social Terrorism: A National Juried Exhibition," whose stated objective is the use of art as a weapon to attack and tear down the cultural status quo, continues through October 10 as a presentation of Blue Gallery at Mobius, 354 Congress Street, Boston. Gallery hours are Wed-Sat 12-5. Tel: 542-7416.

"Carved in Marble: American Sculpture, 1830-1980," an exhibition of works in marble by the first Americans to study in Italy and pursue professional careers as sculptors, continues through December at the Museum of Fine Arts, 465 Huntington Avenue, Boston. Telephone: 267-9300 ext. 445.

Tuesday, Sept 15

POPULAR MUSIC

Didi Stewart and her band Danger In Numbers are presented in concert at 9:30 pm at Nightstage, 823 Main Street, Cambridge. Tickets: \$7. Tel: 497-8200.

Cornelia's Dad, Elkidr, and Baboon perform at T.T. the Bears, 10 Brookline Street, Cambridge. Telephone: 492-0082.

FILM & VIDEO

The Brattle Theatre continues its series of Films of Buster Keaton and Charlie Chaplin with films of Harold Lloyd with Chaplin shorts, featuring "Safety Last" (1924) with "One A.M." (1916) at 4:15 & 7:45 and "Speedy" (1928) with "Behind the Screen" (1928) at 5:55 and 9:30. Located at 40 Brattle Street in Harvard Square. Admission: \$4 (good for the double feature). Telephone: 876-6837.

The Somerville Theatre presents "Desert Hearts" (1986) at 6:15 & 10:00 and "A Room With A View" (1986) at 8:00. At 55 Davis Square, just by the Davis Square T-stop on the Red line. Telephone: 625-1081.

The Coolidge Corner presents a Roman Polanski double bill, "Macbeth" (1971) at 7 pm and "The Fearless Vampire Killers" (1967) at 5:00 & 9:30. Located at Harvard Street and Beacon, Brookline, on the Green line. Telephone: 734-2500.

Wed, Sept 16

JAZZ MUSIC

George Winston performs at 8 pm at the Providence Performing Arts Center, 220 Weybosset Street. Tickets: \$13.50 and \$15.50. Telephone: 752-0888.

THEATER

"The Price," Arthur Miller's play revolving around two brothers who confront the price each paid for choices made during the 1930s depression, opens today at the Lyric Stage, 54 Charles Street, Boston. Continues through October 25 with performances Wed-Fri at 8 pm, Sat 5 pm & 8:30 pm, and Sun at 3 pm. Tickets: \$10-\$13. Telephone: 742-8703.

POPULAR MUSIC

*** CRITIC'S CHOICE ***
The Les Paul Trio, with the legendary guitar player, performs at 8:00 and 10:30 at Nightstage, 823 Main Street, Cambridge. Tickets: \$12. Telephone: 497-8200.

Sight Unseen, Provost, Information, Paris, and Joe Citizen perform beginning at 7:30 pm at the Channel, 25 Necco Street, Boston, near South Station. Tickets: \$3. Telephone: 451-1905.

Rubber Music, Good Question, and The Lunch perform at T.T. the Bears, 10 Brookline Street, Cambridge. Telephone: 492-0082.

Cool McCool performs at Green Street Station, 131 Green Street, Jamaica Plain. Telephone: 522-0792.

CLASSICAL MUSIC

The Nadia Boulanger Celebration opens with a performance by the Longy Artists Ensemble at 8 pm at the Longy School of Music, One Follen Street, Cambridge. No admission charge. Tel: 437-0231.

FILM & VIDEO

The Brattle Theatre continues its series of Films of Buster Keaton and Charlie Chaplin with four Chaplin films, "Mon-sieur Verdoux" (1947) with "The Adventurer" (1917) at 3:00 & 7:30 and "A Woman in Paris" (1923) with "The Immigrant" (1923) at 5:30 and 10:00. Also presented September 17. Located at 40 Brattle Street in Harvard Square. Admission: \$4 (good for the double feature). Telephone: 876-6837.

*** CRITIC'S CHOICE ***
The Coolidge Corner presents Sergio Leone's classic spaghetti western, "Once Upon a Time in the West" (1969), starring Charles Bronson, Jason Robards, and a very nasty (!!) Henry Fonda at 5:00 and 8:00 pm. Also presented September 17. Located at 290 Harvard Street, at the Coolidge Corner T-stop on the Green line. Telephone: 734-2500.

The Somerville Theatre presents a Jim Jarmusch double feature with "Stranger Than Paradise" (1985) at 6:00 & 10:00 and "Down By Law" (1987) at 8:00. Also presented September 17. At 55 Davis Square, just by the Davis Square T-stop on the Red line. Tel: 625-1081.

Thursday, Sept 17

CLASSICAL MUSIC

The Nadia Boulanger Celebration continues with a film documentary about Boulanger entitled "Mademoiselle" narrated by Quincy Jones, followed by a symposium entitled "Boulanger Remembered" at 7:30 pm at the Longy School of Music, One Follen Street, Cambridge. No admission charge. Tel: 437-0231.

Good Grief.

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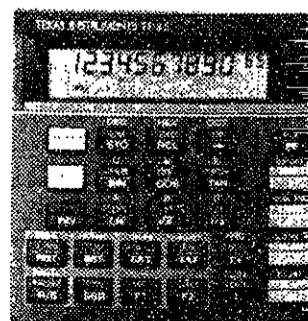
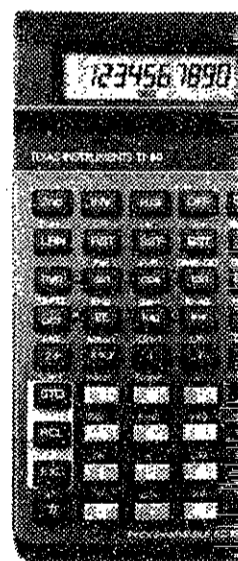
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ARTS



"Satchmo: America's Musical Legend" at the Colonial Theater through October 11.

POPULAR MUSIC

*** CRITIC'S CHOICE ***
 U2 performs tonight and tomorrow at the Boston Garden, Causeway Street, Boston. They also perform on September 22 at Sullivan Stadium, Route 1, Foxborough. Telephone: 227-3200.

Crowded House and special guest Paul Kelley and the Messengers perform at 7:30 pm at Great Woods, Mansfield, on route 495. Tickets: \$17.50. Telephone: 339-2333.

Buster Poindexter and His Banishes of Blue perform at 8:30 and 11:00 at Nightstage, 823 Main Street, Cambridge. Tickets: \$12. Telephone: 497-8200.

Burning Spear and Night Time perform at Axis, 13 Lansdowne Street, Boston, just across from the entrance to the bleachers at Fenway Park. Telephone: 262-2437.

The Wrecking Crew, Blind Lemon Fledge, and Pleasure Poiate perform beginning at 8:00 pm at the Channel, 25 Necco Street, Boston, near South Station. Tickets: \$3.50. Tel: 451-1905.

Membranes and White Zombie perform at the Rat, 528 Commonwealth Avenue in Kenmore Square. Tel: 247-8309.

The Dead Milkmen, Last Stand, and Dogzilla perform in an 18+ ages show at T.T. the Bears, 10 Brookline Street, Cambridge. Telephone: 492-0082.

The Marleens, The DT's, and Dharma Bums perform at Green Street Station, 131 Green Street, Jamaica Plain. Telephone: 522-0792.

THEATER

*** CRITIC'S CHOICE ***
 "Cats," the musical adapted from T.S. Eliot's "Old Possum's Book of Practical Cats," opens at the Shubert Theater, 265 Tremont Street, Boston. Continues through November 7 with performances Mon-Sat at 8 pm, matinees Wed & Sat at 2 pm. Tickets: \$21-\$40. Telephone: 426-4520.

DANCE

Benita Bike's DanceArt performs a program including "Child's Play," "Les Femmes des Montagnes," "Voices and Recitations," and "Ain't No Grave" at 12:30 at the Federal Reserve Bank of Boston's auditorium, 600 Atlantic Avenue, across from South Station. No admission charge. Telephone: 973-3454 or 973-3368.

EXHIBITS

The fall season at the Institute of Contemporary Art opens with "Doug Hall: The Spectacle of Image," an exhibition providing an overview of Hall's unique video/performance work, and with "The Arts For Television," an international survey of 67 works and programs produced by and for television, beginning September 17-24 with "The Video Image" (4.5 hrs) 12:30-3 pm each day. Gallery hours are Wed-Sun 11-5, Thurs-Fri until 8 pm. Located at 955 Boylston Street, Boston, across from Hynes Auditorium. Admission: \$3.50 general, \$2 students, \$1 seniors and children, free to ICA members. Telephone: 266-5151 or 266-5152.

"1986 Wildlife Photography Exhibition," 50 prize-winning photos from international competition, opens today at the MIT Museum, 265 Massachusetts Avenue (N52-2nd floor). Continues through January 30, Tues-Fri 9-5, Sat-Sun 12-4. No admission charge. Telephone: 253-4444.

FILM & VIDEO

The Third Annual Boston Film Festival, featuring more than 60 films, opens today and continues through September 24 at Copley Place and other Boston cinemas. Special events include an Opening Night Party tonight at Copley Place and a Russ Meyer Film Festival at the USA Charles on September 19. Tickets: \$6 for separate screenings, discounts for series tickets. Tel: 972-6000 adline #5900.

The Harvard-Epworth Methodist Church continues its Luis Bunuel film series with "A Woman Without Love" (1951, Spanish with subtitles) at 8 pm. Located at 1555 Massachusetts Avenue, Cambridge. Admission: \$2 contribution.

Friday, Sept 18

POPULAR MUSIC

James Taylor performs at 7:30 pm at Great Woods, Mansfield, on route 495. Also presented September 19. Tickets: \$13.50 lawn, \$16/\$18.50 reserved. Telephone: 339-2333.

*** CRITIC'S CHOICE ***

The French Library in Boston continues its film series Murder and Mystery with Jean Renoir's "Le Crime de Monsieur Lange" (1935) at 8 pm. Also presented September 19 and 20. Located at 53 Marlborough Street, Boston. Admission: \$3.50 general, \$2.50 members. Telephone: 266-4351.

The Hoodoo Gurus perform at 7:30 pm at the Orpheum Theater, Hamilton Place, Boston. Tickets: \$13.50 and \$15. Telephone: 482-0650.

Rick Berlin - The Movie and The Great Divide perform at the Paradise, 967 Commonwealth Avenue, Boston. Telephone: 254-2052.

Skin, Tribe, and Hollaballoo perform at the Rat, 528 Commonwealth Avenue in Kenmore Square. Telephone: 247-8309.

The Dead Milkmen, The Bags, and Tall Paul perform at T.T. the Bears, 10 Brookline Street, Cambridge. Telephone: 492-0082.

The Zulus perform at Green Street Station, 131 Green Street, Jamaica Plain. Telephone: 522-0792.

Scotland's award-winning Tenabbill Weavers, with guests Rare Air, perform at 8 pm at the Somerville Theatre, 55 Davis Square, just by the Davis Square T-stop on the Red line. Tickets: \$10.50 general, \$12.50 reserved (\$1.50 more day of show). Telephone: 625-1081.

CLASSICAL MUSIC

The Nadia Boulanger Celebration continues with a performance by Loegy Early Music at 8 pm at First Church, 11 Garden Street, Cambridge. No admission charge. Telephone: 437-0231.

JAZZ MUSIC

Mose Allison, jazz pianist and vocalist, performs at 8:30 and 11:00 at Nightstage, 823 Main Street, Cambridge. Tickets: \$10. Telephone: 497-8200.

FILM & VIDEO

The Brattle Theatre continues its series of Films of Buster Keaton and Charlie Chaplin with four Keaton films, "Seven Chances" (1925) with "The Love Nest" (1923) at 4:30 & 7:55 and "Go West" (1925) with "The Paleface" (1921) at 6:00 and 9:30. Also presented September 19. Located at 40 Brattle Street in Harvard Square. Admission: \$4 (good for the double feature). Tel: 876-6837.

*** CRITIC'S CHOICE ***

The French Library in Boston continues its film series Murder and Mystery with Jean Renoir's "Le Crime de Monsieur Lange" (1935) at 8 pm. Also presented September 19 and 20. Located at 53 Marlborough Street, Boston. Admission: \$3.50 general, \$2.50 members. Telephone: 266-4351.

The Coolidge Corner presents "The Thomas Crown Affair" (1968) at 5:30 & 9:40 and Billy Wilder's "The Apartment" (1960), starring Jack Lemmon and Shirley Maclaine, at 7:25. Also presented September 19. Located at 290 Harvard Street, at the Coolidge Corner T-stop on the Green line. Telephone: 734-2500.

Saturday, Sept 19

POPULAR MUSIC

*** CRITIC'S CHOICE ***
 Warren Zevon and X perform at 7:30 pm at the Orpheum Theater, Hamilton Place, Boston. Tickets: \$18.85. Telephone: 482-0650.

Blood, Sweat and Tears performs at 7 pm at the Berklee Performance Center, 136 Mass. Ave., Boston. Tickets: \$14.50 and \$16.50. Telephone: 266-7455.

The Swinging Erduties, Das Furlines, Body Politics, and Faith Healers perform at the Channel, 25 Necco Street, Boston, near South Station. Tickets: \$3.50. Telephone: 451-1905.

Treat Her Right perform at the Rat, 528 Commonwealth Avenue in Kenmore Square. Telephone: 247-8309.

They Might Be Giants performs at Green Street Station, 131 Green Street, Jamaica Plain. Telephone: 522-0792.

The Marcel Khalife & Al-Mayadeen Musical Ensemble perform in a benefit concert for Lebanon at 7 pm in Memorial Hall-Sanders Theater, Harvard University, corner of Kirkland and Cambridge Streets. Tickets: \$15, \$25, & \$50. Telephone: 661-0602 or 522-2866.

The Son Seals Blues Band performs at 8:30 and 11:00 at Nightstage, 823 Main Street, Cambridge. Tickets: \$10. Telephone: 497-8200.

The Unattached, Bim Skala Bim, and Crobar perform at T.T. the Bears, 10 Brookline Street, Cambridge. Telephone: 492-0082.

Sunday, Sept 20

POPULAR MUSIC

The Boston Beat Makers Benefit features The Outlets and The Cave Dogs performing at Nightstage, 823 Main Street, Cambridge. Telephone: 497-8200.

Go Between, Alex Chilton, and Big Dipper perform at the Channel, 25 Necco Street, Boston, near South Station. Tickets: \$5.50 advance/\$6.50 day of show. Telephone: 451-1905.

Flipper and High Speed Vomit perform at the Rat, 528 Commonwealth Avenue in Kenmore Square. Tel: 247-8309.

CLASSICAL MUSIC

Boston Musica Viva performs music of Brody, Perle, Spratlan, and Zwilich at 8 pm at the Houghton Memorial Chapel, Wellesley College. No admission charge. Telephone: 235-0320.

Flutist Suelien Hershman and pianist David Witten present "Duo Zacatecas" at 4 pm at the All Newton Music School, 321 Chestnut Street, West Newton. No admission charge. Telephone: 527-5317.

Cheryl Cobb, voice, performs at 3 pm at the New England Conservatory Jordan Hall, 30 Gainsborough Street, Boston. Telephone: 262-1120 ext. 259.

The Nadia Boulanger Celebration continues with a performance by the Longy Artists Ensemble at 8 pm at the Longy School of Music, One Follen Street, Cambridge. No admission charge. Telephone: 437-0231.

FILM & VIDEO

The Brattle Theatre continues its series of Films of Buster Keaton and Charlie Chaplin with four Keaton films, "The Navigator" (1924) with "The Balloonatic" (1923) at 4:30 & 8:00 and "Batling Butler" (1926) with "The High Sign" (1921) at 6:15 and 9:45. Also presented September 21. Located at 40 Brattle Street in Harvard Square. Admission: \$4 (good for the double feature). Telephone: 876-6837.

The Somerville Theatre presents "The Witches of Eastwick" (1987) at 5:45 & 9:30 and "She's Got a Little" (1986, Spike Lee) at 8:00. Continues through September 22. At 55 Davis Square, just by the Davis Square T-stop on the Red line. Telephone: 625-1081.

The Harvard-Epworth Methodist Church presents "Love" (1927, Edmund Goulding), starring Greta Garbo and John Gilbert, at 8 pm. Located at 1555 Massachusetts Avenue, Cambridge. Admission: \$2 contribution.

Tuesday, Sept 22

CLASSICAL MUSIC

The Nadia Boulanger Celebration continues with a performance of works by Copland, Berger, and Fine by the Longy Artists Ensemble at 8 pm at the Longy School of Music, One Follen Street, Cambridge. No admission charge. Telephone: 437-0231.

JAZZ MUSIC

The Jan Garbarek Group, featuring saxophonist Jan Garbarek, performs at 8:00 and 10:00 at Nightstage, 823 Main Street, Cambridge. Tickets: \$12. Telephone: 497-8200.

Jazz pianist Dick Hyman and Derek Smith perform at 7:30 pm at Brandeis University, Springfield Theater, Waltham. Tickets: \$10, \$15, & \$25. Telephone: 736-3001.

THEATER

"Sheppin'," a musical set in a '60s hair styling salon and featuring period music, opens at the Wilbur Theater, 246 Tremont Street, Boston. Continues through October 25 with performances Tues-Fri at 8 pm, Sat at 6 and 9:30 pm, and Sun at 3 pm. Tickets: \$19.50-\$27.50. Telephone: 423-4008.

FILM & VIDEO

The Brattle Theatre continues its series of Films of Buster Keaton and Charlie Chaplin with films of Harry Langdon with Keaton shorts, featuring "Three's a Crowd" (1927) with "The Haunted House" (1921) at 5:10 & 8:15 and "Long Pants" (1927) with "The Goat" (1921) at 3:45, 6:45 & 9:50. Located at 40 Brattle Street in Harvard Square. Admission: \$4 (good for the double feature). Telephone: 876-6837.

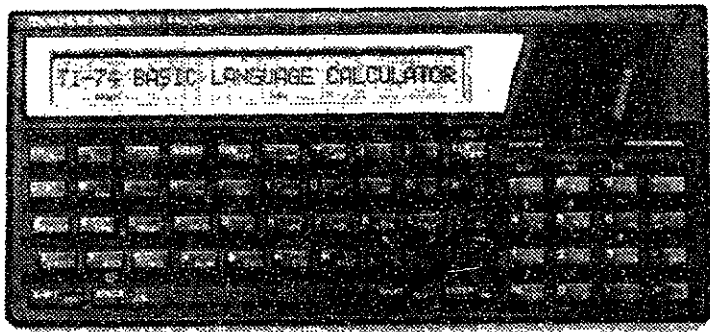
The French Library in Boston screens an episode from the French TV program, "Apostrophes, 'Amoureux de l'amour'" at 6 pm (in French). Located at 53 Marlborough Street, Boston. Tickets: \$5 general, \$3 members, seniors, & students (reservations required). Tel: 266-4351.

Upcoming Events

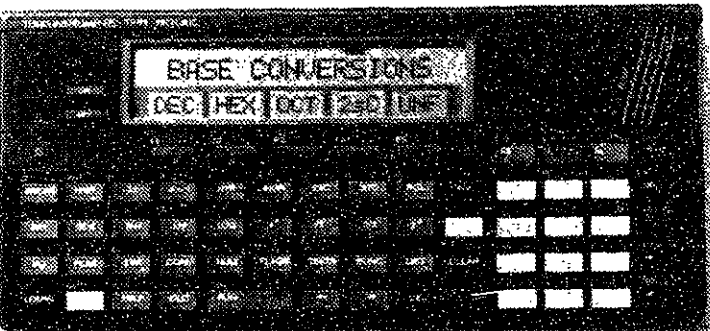
Miles Davis at the Opera House on September 27. Lynyrd Skynyrd, at the Worcester Centrum on October 7 and 8. Pink Floyd at the Providence Civic Centrum on October 16 and 17. Frank Sinatra at the Worcester Centrum on October 17. R.E.M. at the Worcester Centrum on October 18. The Dizzy Gillespie Quintet at Nightstage on October 22 and 23. "Andrew Wyeth: The Helga Pictures" at the Museum of Fine Arts beginning October 28. Bo Diddley at the Channel on November 12.

Good News.

The TI-60 Advanced Scientific features such built-in functions as hexadecimal/octal conversions, integration using Simpson's rule, statistics (including linear regression), trend line analysis and metric to English conversions. There are also 84 programming steps for repetitive calculations.

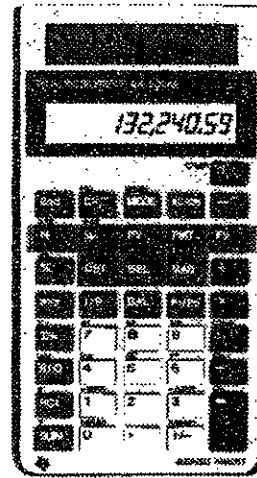


The TI-65 Advanced Scientific offers all of the built-in functions of the TI-60, plus a stopwatch/ timer for lab-work, eight physical constants for use in thermodynamics and physics as well as Decision Programming (if...then) capabilities. There are also 100 programming steps for repetitive calculations.



The TI-74 BASICALC™ Programmable Advanced Scientific is TI's BASIC language programmable calculator.

In addition to offering a full range of scientific, mathematical and statistical functions, the TI-74 offers a 113 BASIC keyword set with a special function key that gives direct 2-keystroke access to 41 BASIC commands. The TI-74 also has subroutine capability for advanced programming flexibility.



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Male Soprano to perform in costumes from Amadeus

At Mozart's time castratos could make big money, and ambitious mothers would take the knife to their sons at a tender age, before they had the chance to give an opinion on the desirability of the operation.

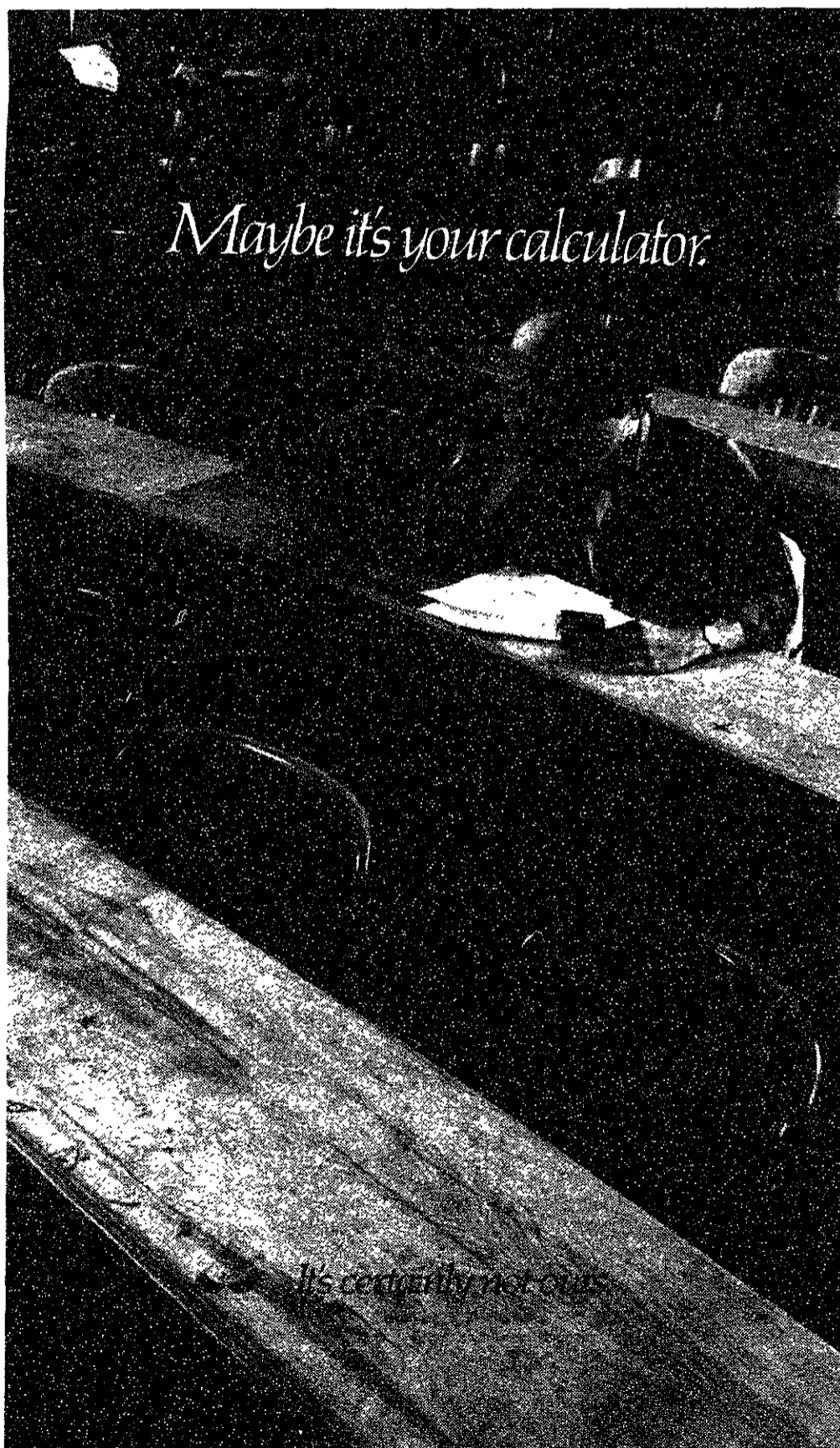
Paul-Etienne Texel has a unique physiology which allows him to sing as a castrato without having had the need for painful surgery: he has Dutch, French, Native American, Indian and Chinese blood in his veins, a woman's larynx and vocal cords, and no Adam's apple.

His pure soprano voice has been widely praised, and we've acquired a block of discount tickets to enable you to hear him sing works by Mozart, Handel, Vivaldi and others, while garbed in costumes from *Amadeus*.

F. John Adams will conduct the Boston Premiere Ensemble, which will accompany Texel's American debut in Jordan Hall on September 26 at 8pm. This is going to be an unusual event. Don't miss it! **MIT price: \$6.00**

Tickets will be sold by the Technology Community Association, W20-450 in the Student Center, starting Thursday, September 17. If nobody is in, please leave your order and phone number on the TCA answering machine at x3-4885. You will be called back as soon as possible.

The Tech Performing Arts Series is a service for the entire MIT community from *The Tech*, the MIT student newspaper, in conjunction with the Technology Community Association, MIT's student community service organization. Throughout the year *The Tech* negotiates special discounts with Boston's arts promoters to enable the MIT community to attend some of Boston's most exciting events at prices well below normal, and provides promotion free of charge; the Technology Community Association then organizes ticket sales. Watch this space regularly for details.



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ARTS

Parapsychological sci-fi odyssey**INTERVENTION**

By Julian May.
Houghton Mifflin Company,
546pp., \$18.95.

By MARK KANTROWITZ

DESPITE the clichés, Julian May's latest science fiction novel, *Intervention*, presents an enchanting and intricately woven plot.

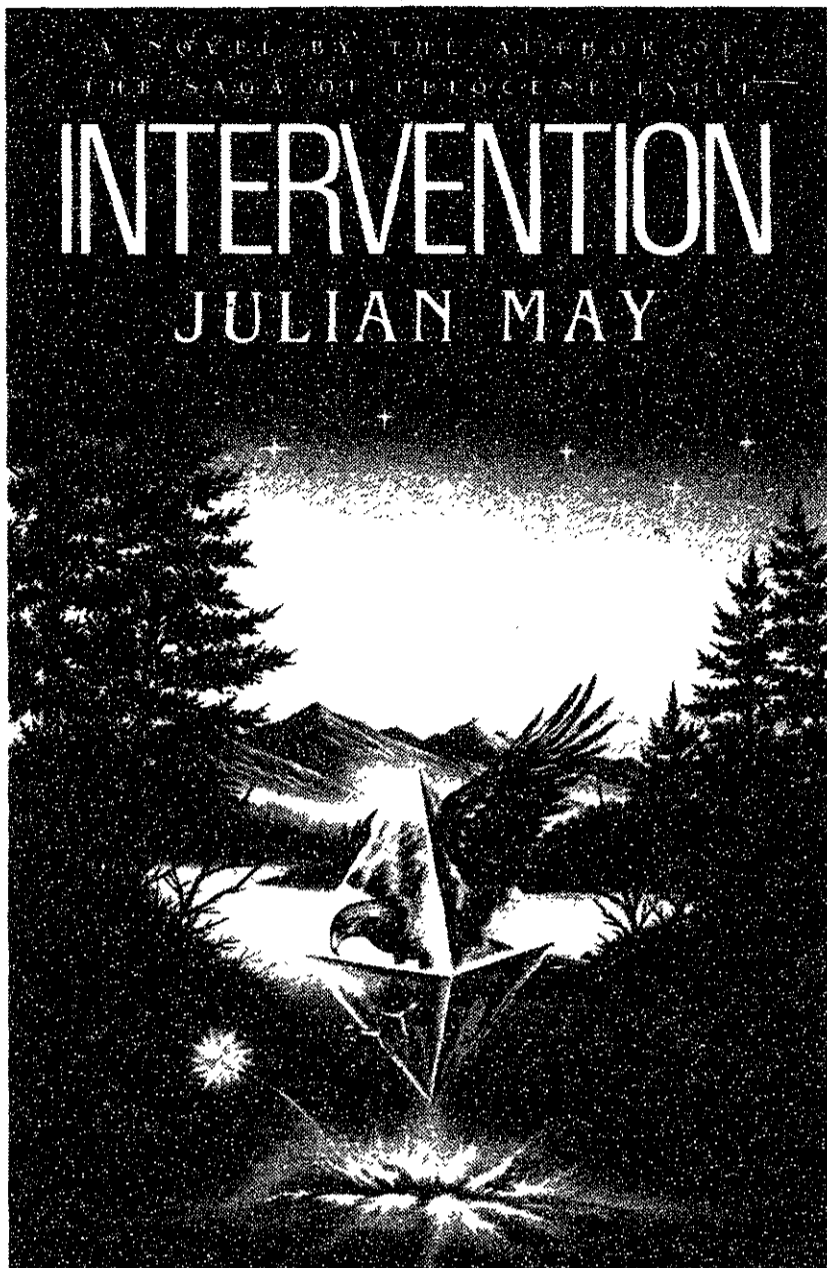
Intervention chronicles the advent of *homo superior*. Human beings are being born with unusual parapsychological powers. They are in all other respects normal people, but their latent mind-powers have blossomed because of an evolutionary jump. As the genes for the "metaphysic operants" are expressed to a greater and greater degree in the human population, an increasing number of telepaths appear around the globe. Eventually more exotic powers, such as "coercion" and telekinesis, accompany telepathic abilities.

At first the telepaths keep their powers secret, wishing that they were normal. But as more of their kind appear, they can no longer hide, and reveal themselves to the general populace. The government uses them, normals abuse and murder them, but somehow they survive.

Meanwhile, telepathic alien beings from the Galactic Milieu observe the developing human beings, and express regret at the imminent atomic suicide of the race. One of the observers, however, nudges the race toward survival by intervening at critical moments. This invisible alien talks to Rogi Remillard, one of the first telepaths, and helps him protect his family, who play a key role in the development of the telepathic human race.

The story covers the period from 1945 to 2013, pieced together from Rogi's memoirs and other records. As a result, the reader gains insight into Rogi's motivations, but the human side of the other characters remains unseen.

Though the plot replays trite science fiction themes, the execution is excellent. Moreover, May demonstrates great skill at tying seemingly separate



story elements together into a gordian knot.

Julian May also wrote the "Saga of the Pliocene Exile" — *The Many-Colored Land*, *The Golden Torc*, *The Nonborn King*, and *The Adversary* — the first of which was nominated for the Hugo Award. *Intervention* serves as a link between the "Pliocene" quartet and the "Galactic Milieu" trilogy.

The hype on the jacket, and May's initial attempt to affect the slang of the future — "cents" for centimeters and "kiloms" for kilometers — should not discourage anybody from reading this novel. Between the book's covers lies a fascinating and engrossing story.

classified advertising

Classified Advertising in The Tech: \$5.00 per insertion for each 35 words or less. Must be prepaid, with complete name, address, and phone number. *The Tech*, W20-483; or PO Box 29, MIT Branch, Cambridge, MA 02139.

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WILDNESS: Annual college hilarity hall of fame?! Write craziest college experiences to COLLEGE CHAOS, P.O. Box 23, Harrisburg, PA 17108-0023 for potential immortality in hilarious national college paperback. Anonymity and hearsay are okay. Deadline: 10/31/87.

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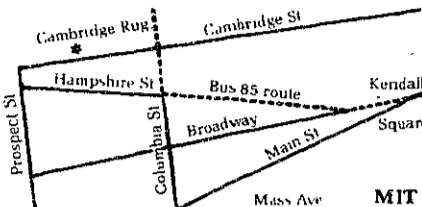
The Tech Subscription Rates: \$14 one year 3rd class mail (\$26 two years); \$36 one year 1st class mail (\$67 two years); \$40 one year foreign; \$8 one year MIT Mail (2 years \$13). *The Tech*, W20-483; or PO Box 29, MIT Branch, Cambridge, MA 02139. Prepayment required.

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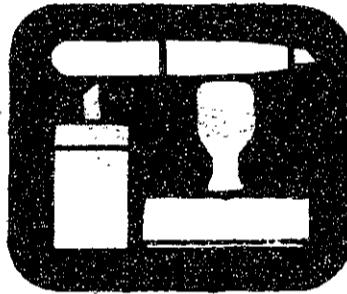
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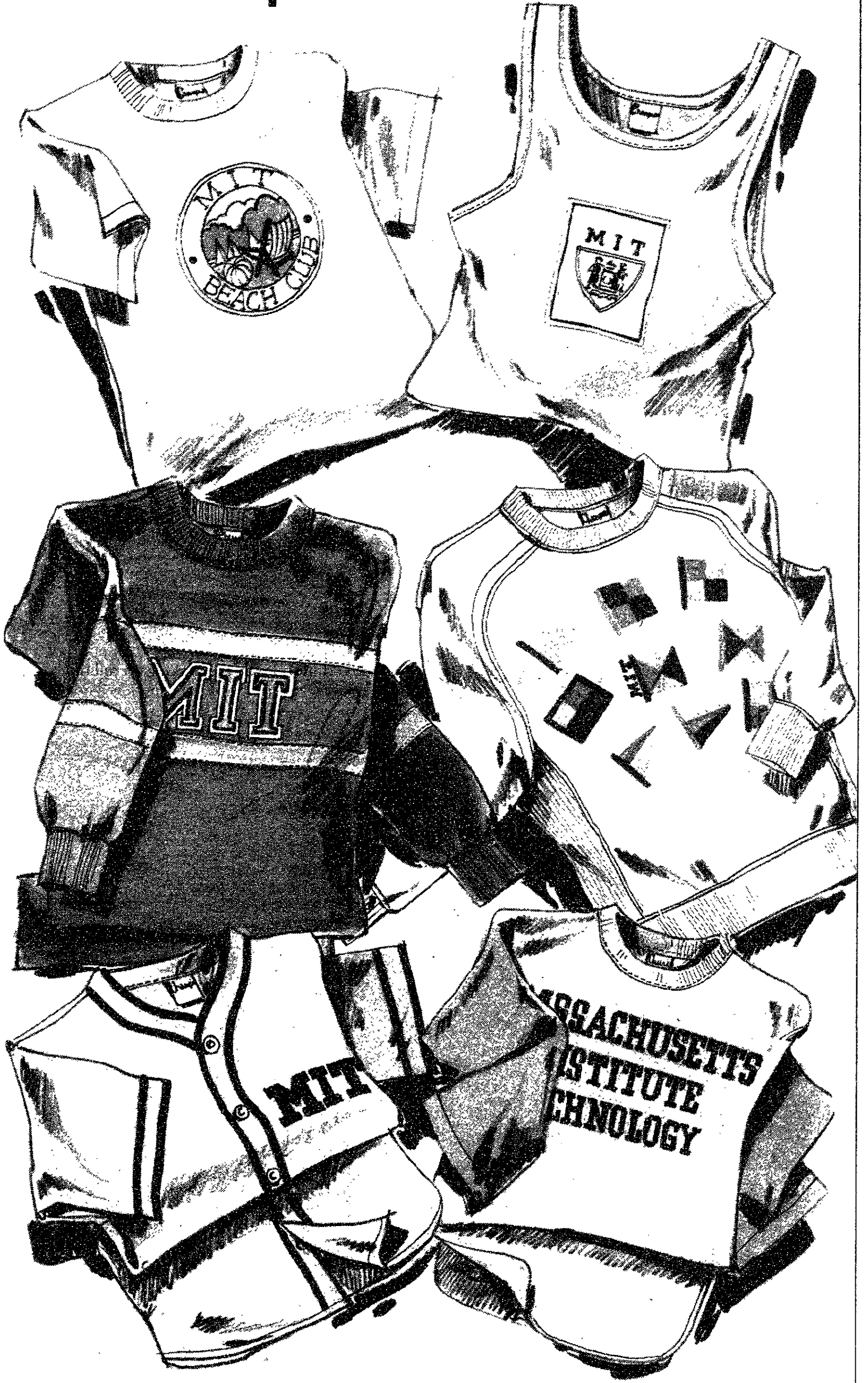
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Weaker rush destabilizes some fraternities

(Continued from page 1)

Frats chase fewer men

Four years ago, a little more than 50 percent of MIT's men were in the fraternity system. In a few years, the system may need 70 percent of MIT's men to be able to fill all vacancies, according to Parfomak. "That is unreasonable," he said. "There aren't that many men who are compatible with or interested in the fraternity system."

Also, this year the amount of cross-rushing was very high, with some freshmen receiving 3 to 4 bids each, he added.

Some houses did better than others:

- One fraternity president said that his house may need to accept boarders or take out a loan unless four vacancies can be filled this term.

- Bennett J. Silverman '88, president of Beta Theta Pi, said that this year's rush was better than the last few years'. However, the house brothers worked "three times harder" on Rush Week events than usual, he said.

- The president of Phi Gamma

Delta, Hugh B. Ekberg '88, said that his house needs three to five more pledges. Freshmen took a longer time choosing a residence this year and sometimes based their decisions on "unimportant factors" such as the portrayal of fraternity life in the pre-picnic skit, he added.

- William W. Malecki '88, president of Sigma Alpha Epsilon, said that his house had the best rush in four years, with a very large pledge class. Although the number of men at MIT has decreased, the number who fit the personality of his house has increased, he said.

- Pedro G. Almeida '88, president of Alpha Delta Phi, said that, with two vacancies, his house had an average rush.

Solutions?

"My personal feeling is that the participation of women in the Greek system should increase," Parfomak said, "I'd like to see sororities housed. This would decrease crowding in the dorms."

Many fraternity presidents felt that MIT gives dorms an unfair

advantage during rush week by misrepresenting fraternity life to incoming freshmen.

Almeida said, "The skit shown to the freshmen before the picnic showed a false view of fraternity life. . . It had a lot to do with the bad fraternity rush this year." MIT is asking fraternities to house freshmen while misrepresenting fraternity life as inferior to dorm life, he added.

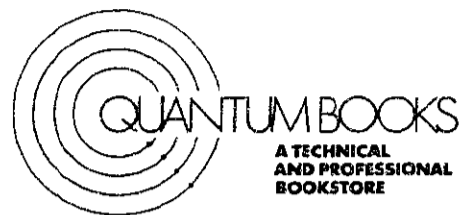
Silverman suggested that the MIT administration stress to incoming freshmen, both during the summer and during rush week, that fraternity living is a viable choice, and one that often provides more emotional support than dormitory life. MIT should consider sending letters about the advantages of fraternity life to parents during the summer, he added.

A few fraternity presidents were confident that their houses could handle the current percentage of male undergraduates indefinitely. Some presidents felt that although the percentage of men was decreasing, the percentage that would consider fraternity life was increasing, leaving basically the same pledge pool.

Parfomak has been meeting with Associate Dean for Student Affairs James R. Tewhey to discuss current vacancies in the system and propose solutions for next year's rush.

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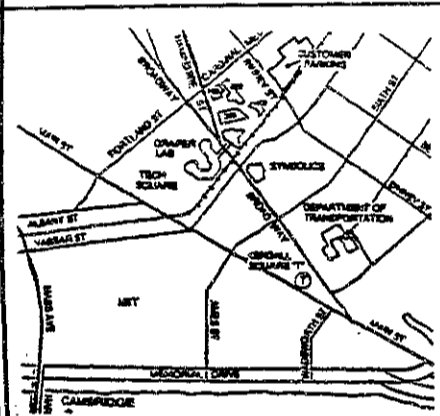
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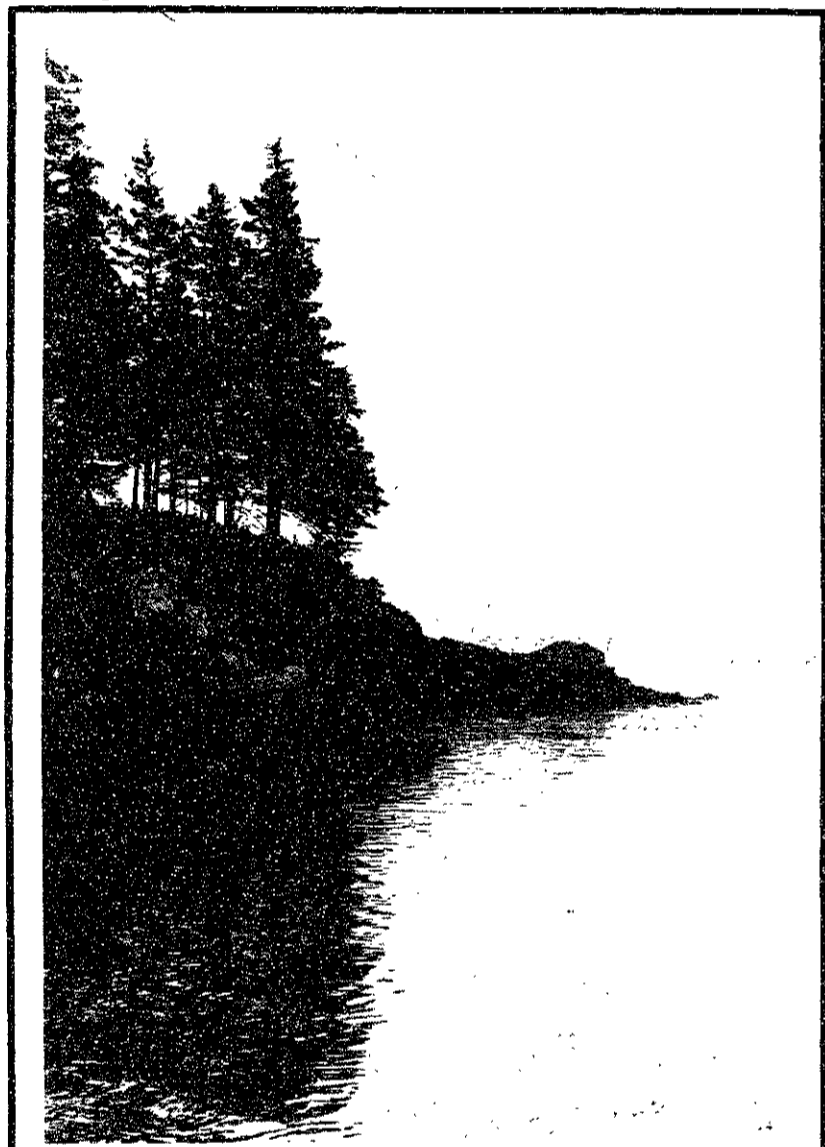


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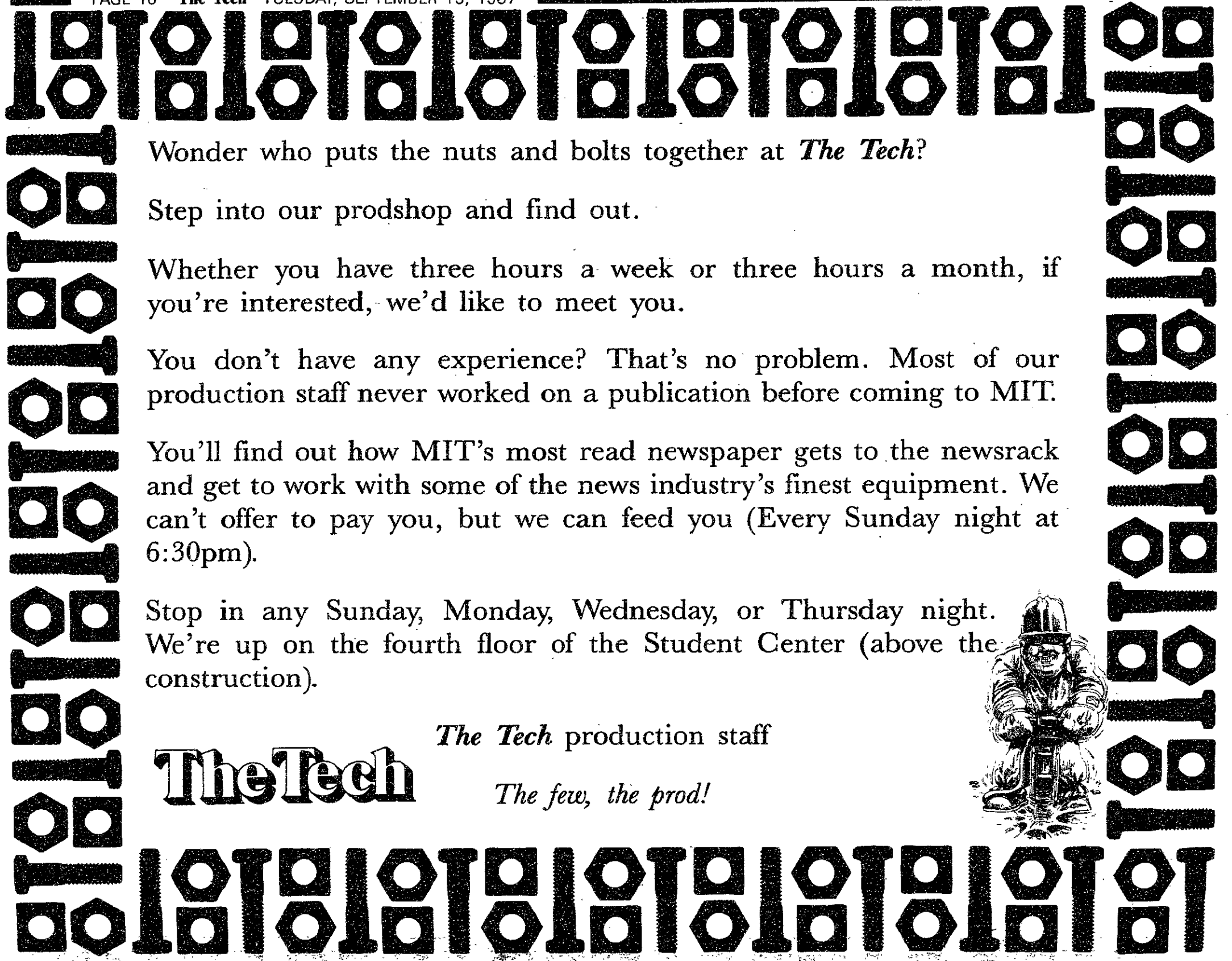


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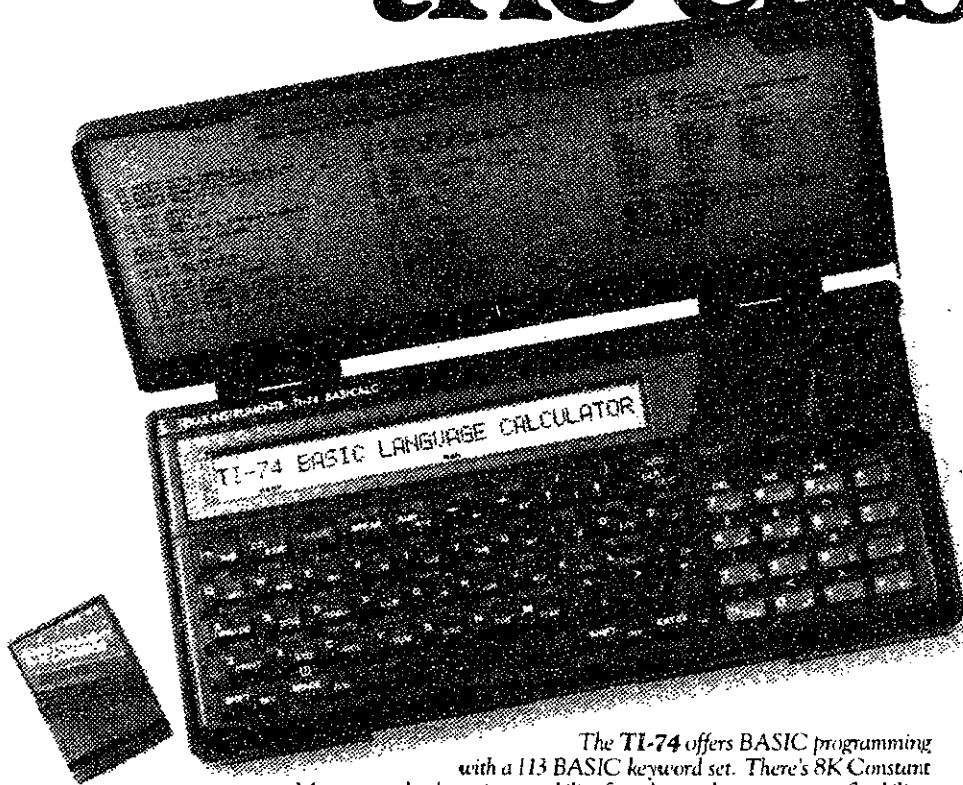
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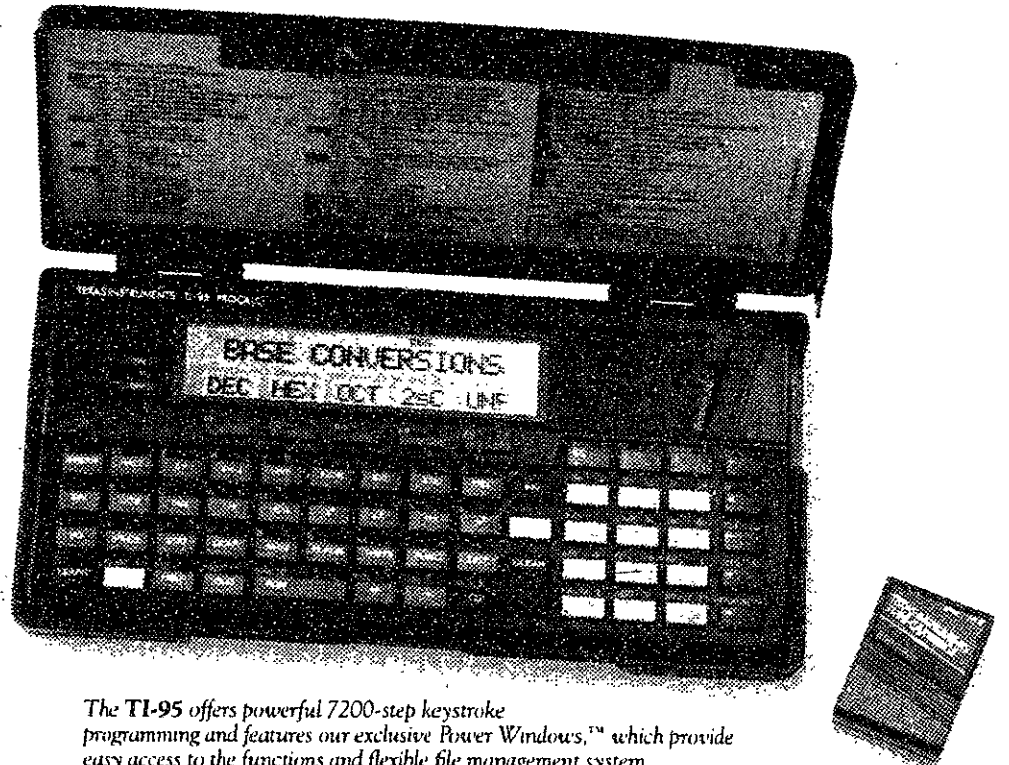
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