The Tech
MIT Cambridge Massachusetts
Friday, August 28, 1981

Fewer frost frosh to be crowded
By Kenneth Snow
The Dean's Office estimates that there will only be 63 overcrowded freshmen this year, a significant decrease from last year's record level of 232.

“This is the smallest number of crowded students in many years,” according to Associate Dean for Student Affairs Robert A. Sherwood.

Sherwood said that the crowding figures are based on a fraternity rush of approximately 300 men. Of these, 360 are expected to be freshmen and the rest transfer and readmitted students. Mark Goldberg ’82, Interfraternity Council Rush Chairman, said that an additional 120 transfers that have been approved for housing in past years. Freshman class size has also decreased from 1881 last year to approximately 1000 this year.

Sherwood noted that “many people here in the Dean's Office” feel that there will be more room this year than in the past because of improved housing.

Last year one of the major reasons for the overcrowding situation was the larger-than-expected number of students returning to the housing system. This year the number of upperclassmen returning to the housing system was almost exactly the figure expected.

R/O organizers optimistic
By Stephanie Pollack
Residence Orientation (R/O) Week is a time to learn that “the MIT environment as a whole is an education,” according to Assistant R/O Coordinator Ken Danis.

Danis and other student organizers of R/O Week are optimistic that the week will be successful. “R/O went very smoothly,” Danis noted. “The week will be smooth, and the students will be happy with the new housing system that the week will be successful.”

Several changes have been made in R/O procedures and events. This year, dormitories will participate in Clearinghouse, a computerized system for tracking freshmen during R/O Week. Henderson said that the participation of the dormitories will make the system “a lot more efficient because instead of innumerable calls to dorms for information, they have only one call.”

Mark Goldberg ’82, Interfraternity Council (IFC) Rush Chairman, called dormitory participation in Clearinghouse “a huge height of cooperation between fraternities and dormitories.” He added that the changes will “certainly be helpful to the freshmen.”

The rules for alcohol use during R/O Week will be the same as last year, according to Henderson and Goldberg. Living groups are permitted to advertise the availability of alcohol at parties. Enforcement of Massachusetts’ 20-year-old drinking age is left to the individual living groups. “IFC’s position is that the IFC is the law,” Goldberg noted. Living groups which disobey the law “are putting their own ranks on the line.”

The time period between Freshman Picnic and Registration Day has been extended by two days this year. The new dormitory at 500 Memorial Drive has helped to ease the overcrowding situation.

Voyager 2 outbound from Saturn
By Jack Link
A peanut-shaped moon and a kooky ring are among the discoveries made by Voyager 2 that scientists are analyzing at the Jet Propulsion Lab (JPL) in Pasadena, California, as the unmanned spacecraft leaves Saturn bound for Uranus in its “Grand Tour” of the Solar System.

Operating a billion miles from Earth, Voyager 2, like its predecessor Voyager 1, performed almost flawlessly until early Wednesday morning. Airing only 2.7 seconds early and within 30 miles of its planned course, Voyager 2 took a closer look at some of the features discovered by its sister. A problem developed several days after Voyager 2 passed through the ring plane during its outward journey.

The problem involves the movable instrument platform which holds the probe’s cameras and several other instruments. To aim the platform, both the elevation and azimuth or rotary direction of the platform are set. When the platform emerged from radio blackness, mission controllers discovered that the platform’s azimuth central was stuck, rendering it useless.

The Plasma Science Experiment, designed and built at MIT’s Center for Space Research, has not been adversely affected by the platform failure, since its sensors are mounted on Voyager’s main body. MIT faculty members and students involved in the experiment are located at JPL and the Goddard Space Center.

If the problem is not corrected, the cameras will have to be aimed by moving the entire craft, including the entire experiments formerly independent of the platform.

The first action taken by ground controllers after the problem occurred was to tilt the platform away from the sun using the solar panels to prevent the instruments from being damaged.

Director of Personnel, cited “unofficial information in- dicating that the strike date has been moved to September 8” although Local 26 President and Business Manager Dominic Bossa would not confirm that report. The previous deadline set by Local 26 was August 16.

Fraternities have been advised by the Office of the Dean for Student Affairs that picking at the Freshman Picnic this afternoon is a possibility. The warning, said Bossa, was “a well-placed thought; they have good sources.” According to Interfraternity Conference (IFC) Rush Chairman Mark Goldberg ’82, there “shouldn’t be any problems.” Fraternities were told “to be careful” by the IFC, which regarded the Freshman’s Office warning. Goldberg was confident that the effect of such a protest on (please turn to page 4).

MIT prepared for threatened strike
By Barry S. Suman
MIT will continue to provide meals to students in the event of a strike by food service employees represented by Local 26 of the Hotel, Restaurant, Institutional Employees and Bartenders Union, AFL-CIO, according to MIT Director of Housing and Food Services Gene Brummer.

“With supervisory personnel, and students working in students’ positions, we will operate one unit and service the student community that is on meal plans,” Brummer said. He declined comment on which facility would remain open. During a similar strike in 1974, which lasted six weeks, Walker Memorial was the only open facility on campus.

In a statement released Wednesday, MIT’s chief negotiator, James J. Culliton, Assistant to the Vice President, and the IFC’s position is that the MIT Campus Dining Service workert may go on strike on September 8 (photo by Eric Sohn).

“Don’t quite know what happened during the blackout,” said Torrence Johnson of the Voyager imaging team. “We expected Voyager to pass at least 500 [please turn to page 11].”
New women's R/O activity planned

By Stephanie Pollack

A picnic at Wellesley for MIT and Wellesley freshmen is the newest addition to the list of special activities for women held during Residence/Orientation (R/O) Week, according to Women's R/O Coordinator Joyce Pollock '82.

Pollock wanted to include "activities that integrate both MIT and Wellesley women" into R/O Week to introduce MIT freshmen to Wellesley before "they get into all of the negative stereotypes." The event, which will be held September 6, will feature athletic and social activities.

Women's R/O activities began last night with a sandwich-making dinner for women in the Bush Room. Freshmen will gather in the Cheney Room immediately after the Freshman Picnic this afternoon for ice cream. The College, or non-scholarship, program offers three and two year scholarships are available for qualified Freshman and Sophomores.

The Traditional R/O Week Scavenger Hunt has been turned into an opportunity for freshmen to learn their way around the Institute and meet people in various administrative offices, according to Peck. The Scavenger Hunt, which leaves from the Student Center at 8:00 p.m. tomorrow, will take freshmen to the Information Office, Undergraduate Academic Support Office, Student Assistance Services, and other Institute offices.

Peck summarized her view on R/O week by noting that afterword "everybody thinks that they're in the best place." Her advice to freshmen is "to meet other freshmen and don't worry."
World

New talks set on Palestinian autonomy — Egyptian President Anwar Sadat and Israeli Prime Minister Menahem Begin agreed Wednesday to resume negotiations on Palestinian autonomy under the Camp David agreement format. The next talks will be held September 23 and 24 at an undisclosed location. Talks were suspended last August by Egypt in protest to Israel's annexation of Arab East Jerusalem.

Nigeria reduces crude oil price by $4 per barrel — Nigeria announced Wednesday that it is lowering the price it charges for crude oil from $40 to $36 per barrel, in what could be the first of a series of cuts by OPEC members in response to the growing world oil glut. Nigeria is the second largest exporter of oil to the US, and if other North African producers follow its lead, gasoline prices could drop 2 to 3 cents per gallon in this country.

Nation

Medfly spraying expanding in California — Two new areas of medfly spraying have been added to the 1,400 square mile area already being sprayed and under quarantine in northern California, south of San Francisco. The new areas, a 12 square mile section of east Oakland and a nine square mile section of the Los Angeles suburb of Baldwin Park were added when medflies were found in traps in each area. The flies found at Baldwin Park have concerned officials since the area is 260 miles south of the previous area of infestation and Los Angeles is a major produce shipping terminal for the US.

US spy planes attacked over Korea — A missile apparently launched from North Korea burst a few miles from a US Air Force SR71 flying at high altitude in international and South Korean airspace, but caused no damage to the plane or crew. The Pentagon statement did not directly accuse North Korea of launching the missile, as details of the incident Wednesday are still being evaluated.

Health officials in the San Francisco Bay area are concerned about the health implications of the medfly situation. The medfly is a fruit fly that can spread a number of diseases, including salmonella.

Double digit inflation in July — Higher food and housing costs helped push the Consumer Price Index up 1.2 percent in July, to an annual rate of 15.2 percent. A Reagan Administration official and several private economists said inflation will moderate during the remainder of the year, following the great disinflationary movement of the economy in 1981. The sharp rise was led by housing costs, up 3.8 percent, medical care, up 1.3 percent, food prices, up 0.8 percent, and transportation costs, up 0.8 percent.

Sports

Ovett sets new mile record — Britain's Steve Ovett ran a 3:48.40 mile Wednesday breaking the 3:48.53 mark set by his fellow countryman Sebastian Coe a week earlier.

Weather

Air, cloudsiness this morning should give way to mostly sunny skies this afternoon. Winds will be out of the north and east keeping temperatures near 72 at the shore, with inland highs near 76. Clear and cool tonight with lows near 56. Saturday should be partly sunny with onshore winds again. Highs in the low 70's. A warming trend on Sunday with some late afternoon and scattered showers and thundershowers. Highs near 80. Chance of rain 20% today, 30% tomorrow, and 50% on Sunday.

James Franklin
Opinion

MIT should use interlibrary loans for personal research

To the Editor:

Today I was called and asked if the books I had requested through interlibrary loan were for personal research or MIT research. When I replied "personal research," I was told that I would have to purchase the books myself. I find this outrageous. 

When I came to MIT, I thought I would have access to research services I could use to educate myself. Some of these were the Institute libraries described misleadingly in the bulletin by such phrases as "the libraries serve primarily Institute students." According to this philosophy I should not be allowed to use library services. Do they really want me to purchase the books myself? I don't want to use the library as a matter of course and I don't think I should have to. It's a long trek there and back on foot.

As for the excuse that research requests occupied our libraries' entire capacities. It's high time research and education were paralleled goals of the Institute. This stance on interlibrary loans clearly indicates what has priority.

Pamela Keller '84

Feedback

The Tech asks writers to clearly indicate the source of their opinions.

The Tech, 84

The opinions expressed in the letters to the editor are those of the respective writers and do not necessarily reflect the opinion of the MIT community or of The Tech. Writers are limited to 300 words in length. The content of the letter may be subject to editorial condensation. The Tech reserves the right to withhold the names of authors at the request of the staff writer.

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Meeting the challenge of R/O

Institute publications often give freshmen the wrong idea about Residence/Orientation Week. Anyone reading the freshman Handbook or Residence Book would think that the primary task of a freshman during R/O Week is to find a place to live and figure out which courses to take. They'd be wrong.

R/O Week— for upperclassmen and freshmen alike—is primarily a time for meeting people. Living arrangements can be changed and classes can be added and dropped, but friendships made during R/O Week often last four or more years.

Even passing acquaintanceships started during R/O Week can later develop into a lot more interesting. After three R/O Weeks, picnics and parties have started to fade into a blurred memory of junk food and sleepless nights. Most of the people I have met over the years, however, remain clear as individuals in my memories. A few R/O encounters are especially clear.

My first R/O meeting actually took place before I arrived at the picnic my freshman year. I was nervously dashing on the train ride, trying to survive my stomach that if it didn't settle down soon it would allow me to miss some of the world's greatest greasy chicken. Through the jangle of nerves, I heard voices discussing strands of Greek letters. Glancing over the act in front of me, I saw two MIT freshmen, Residence Book in hand.

Talks to the other freshmen came to a conclusion, since I discovered that others were just as nervous as I. I saw one of the guys several times during R/O Week, and we've managed to run into each other in the halls about a term and a half later.

I never learned the name of one of the most people I met during my freshman year, nor was any of it logged large on my mind. The next day I switched dormitories several times to be experimental people would materialize, grab a suitcase, sleep to my destination, and disappear again. Many others would patiently answer my endless and obvious questions. It wasn't until I came back for a second R/O that I realized that it was not at the timc to ask questions from freshmen, no matter how reusable they became.

One interesting R/O meeting started very early one morning. After a party, I was sitting in a dormitory lounge, talking to a group of guys when one of them asked me if I'd like to see his baseball cards. I was somewhat nervous about agreeing to visit his room, believing that baseballs were small, interesting sticks. I was wrong—he really did have a huge collection of baseball cards. I visited his dorm, and we ended up taking a walk around campus. We ended up meeting with a new set of interesting freshmen.

If R/O Week is to be a way to overcome the phase of daily dormitory, fraternity, and home. Some already know what courses they are taking and others who do not yet know if they want to go to MIT. If there is a single activity that all can engage in during R/O Week which will almost certainly improve their years at MIT, it is meeting people. R/O doesn't make R/O Week special—people make R/O Week special.

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feedback

MIT should use interlibrary loans for personal research

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The librarian advised me to use the BPL (Boston Public Library) and their interlibrary loan service. She said our libraries were overloaded with research requests. I don't want to use the BPL as a matter of course and I don't think I should have to. It's a long trip there and back on foot.

As for the excuse that research requests occupied our libraries' entire capacities, I think research and education were paralleled goals of the Institute. This stance on interlibrary loans clearly indicates what has priority.

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Opinion

Of alumni and freshmen

Recently a friend asked me if I felt like a senior. I didn’t seem to be one. I felt like I have been here three years, but that cold reality became apparent last June as I stood in Killian Court watching the Commencement exercises.

As the ceremony began, I realized that I knew many of the graduates. It is incredible how many people you touch on in three years of college. The graduates’ names were read off, and as another friend or acquaintance received a degree I began to reminisce about the past three years.

Some of these were friends I met during R/0 Week. I consider myself to have been a typical freshman: confused, slightly in awe of this place, and ready to take the world — or at least this part of it — by storm. As R/0 Week ended the process of making friends was only beginning.

More graduates are receiving their degrees and the flashbacks are endless. Now I’m standing outside at midnight in the middle of January, it is -5 F., and a friend and I are at the wrong end of the Harvard Bridge. My friend suggests we stop for a drink. I agree. Half an hour later, we are at the middle of the Harvard Bridge with a long walk ahead of us. In retrospect it is funny, though at the time it was very cold.

It has been a year and a half since a friend threw a surprise birthday party for me. Besides being one of the best birthday parties of my life, it was my first surprise party. I certainly have very good friends and very crafty ones.

It is amazing how long it takes to present 1500 degrees and there is very little to do while the ceremonies occur. Another among the 1500 is a familiar face. We met through some activity, or in a class, or in one of the million and one other places around MIT and Boston where you can meet people. A memory flashes through my mind about some special time the two of us had together, and then I realize that he is no longer a student but an alumnus.

My memories span a variety of activities. Whether during a night of tutoring for a 8.01 exam or during a party, memories and friendships form over the course of three years that cannot be forgotten. I may not remember exactly how well I did on that exam, or how good the party was, but I do remember the friendships.

No these friends are gone, having left for graduate school or gone out into the “real world.” Their loss is felt, but, as a friend recently remarked, “nothing is static.”

So begins another year of freshman rush. Freshman picnic, scavenger hunts, beer deliveries, parties, and large beer deliveries are all repeated. The idea is the same but the faces have changed.

Upperclassmen run around putting the finishing touches on rush activities’ plans and freshmen settle into their temporary rooms. It is easy to tell the difference between these two groups. Upperclassmen move through Lobby 7 at 5am wishing they were asleep, while freshmen stop and think, “Wow, I really am at college.” The wide eyes and naiveté are here again.

Many people will encourage freshmen to go visit living groups, attend the activities, and get involved in groups. These are all very good ideas, but I have another piece of advice. People are very friendly at MIT and rush week is a good time to start meeting people and making friends. You may not remember much about your undergraduate studies, but you will carry friendships and good memories with you for the rest of your life. Besides, they make college much more enjoyable.
Dross and...

Heavy Metal, a Columbia Picture, now playing at Sack Cheir, Sack Dancers, and Galliera.

I had high hopes for Heavy Metal. Animated Fantasy with a kick-ass rock 'n' roll score. Sex, violence, and more colors than the United Nations' flags. What more could I ask? At least that the final product of these incredible ingredients would live up to even my mildest expectations.

The basis of the film is the comic book magazine of the same name. The American Heavy Metal was patterned after its French counterpart, Metal Hurlant. Both are slick periodicals featuring fantastic fiction illustrated by Europe's most bizarre and talented artists. The movie is composed of eight stories, each adapted from an original magazine tale, and all linked together by a great rock roll book in the form of a "lookbook." The story speaks with a voice like the Wizard of Oz and is supposedly the embodiment of pure evil. It flows into each episode to corrupt the characters and provide a continuous link between the unrelated narratives.

The stories are quite good on their own, however, the credit goes to the writers, not the filmmakers. After reading the original comic, the animated segments fall flat, almost mocking the sources that inspired them. The variety keeps one from getting bored, though, since each story can be separately tasted and transported loveable nerd into a world of exotic monsters, naked women, and dangerous adventures.

"Harry Canyon" is a twenty-first century cab driver with a peculiar method of dealing with meggers. The film's longest tale, "Twinax," has a sexy lady on a flying repile who protects the good and decapitates the evil. The other segments are shorter and with less direct connection, but they win or lose on their own.

Even though the animation style changes from story to story, its overall quality varies from fair to mediocre. Over five hundred people were hired for Heavy Metal (the credits run longer than some of the segments) and it was probably this supersaturation of animators that prevented a clean and distinctive style from emerging. The artists tried to mimic the "look" of the original pieces, and to some extent succeeded. However, this is usually only in backgrounds and still shots, an attempt that is honourable in spirit but disconcerting in practice.

I thought at least the music would save the picture but instead it is usually out of place and distracting. The film actually has two soundtracks. The first was composed by Oscar-winner Elmer Bernstein, who was doing a soothing classical score, composed to the rhythm of the picture. The other is a collection of original songs by some of the great rockers of the eighties, including Blue Oyster Cult, Black Sabbath, and Cheap Trick. Although the cuts are quite listenable on their own (I'd love to see album review this issue), whenever they appear, it sounds like the usher just turned on the stereo in the back and lifted the needle when he got bored with the song. If the animation and editing were needed to the music, the results would have been far superior.

Many people asked me if this is a good "read" film. In fact, the movie is praised so much for this type of audience that on drugs might find the movie more enjoyable. But who needs to pay for a movie when the refreshments are cheaper? Isn't that the point? I am certain that nobody is going for Heavy Metal! Heavy Metal is certainly an animated feature worth seeing for the pure novelty of the concept. But without the proper execution, even the best idea may become unsalable reality.

Mark DeCew

Precious Metal

My favorite cut off the album has to be the Deva cover of the rhythm and blues classic "The House is Made of Coal Mine." The best grab you immediately and the punctuated vocals and churning bass lines drag you from first through the tune. This is the best way to describe it. "Whip It" with soul. As the reason I find this record so appealing (apart from a religious loyalty to hard rock) is because I can play it running in the car, and not get sick of it. Each head performs no more than two songs, so the danger of getting bored with a repetitive vocal style or run of guitar mix. There's no time I don't like (Don Fagen's "One Thousand Companions") but it is instrumental and it gives me a chance to rythmoize the album at a concentration level that only for three minutes? Buy this album tomorrow, it's great!

Mark DeCew

Editor's note: Mr. DeCew is The Tech's resident heavy metal junkie.

MOVIES

The MIT Educational Studies Program presents The Silk Shirt and Where Are You Going, Hollis Jay? Saturday, August 29 at 8pm in the Mezzanine Lounge of the Student Center. Admission is $3 or $2 with MIT ID. For information and reservations call X3-6294.

The Miami City Ballet presents In the Middle, Somewhere with performances at 8pm and 4pm Saturday and Sunday afternoon at the Gusman Center. Performances are $25 or $20 with Miami ID. Information and reservations call X5-5555.

The MIT media Theatre presents "The Book of Man," a new play by Lynda Lape. "The Book of Man" is the story of man's creation and his place in the world. The play is performed in the 290-seat theater at the MIT Media Lab. Performances are Thursday and Friday at 8pm and Saturday at 4pm. Tickets are $5 for students and $7 for general admission. Information and reservations call X3-6042.

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The Prince (Jim Mahoney) and the King (Bob Shepard-Blue) act royally in the Musical Theater Guild's production of *Once Upon A Mattress* (photo courtesy of Technicolor).

You've Heard It Before??

Why are Bostonians so plain? Surely it's not the local rain, the Taylor Swift in their hair, or the government's incessant surveillance. The answer is simple: we have no sense of humor and we prefer our public figures to be dull and unoriginal. Instead, we keep clamoring out aesthetic and cultural norms.

The Great Black Flag played a one-off show last Saturday at Boston's Charms Club, which has been serving as a home-base for the band. The show was a sell-out, but the atmosphere was tense, and the audience was well-behaved. The band played a set of their own songs, which included a cover of the Rolling Stones' "Paint It Black," and a version of their own song, "The Great Black Flag." The audience was enthusiastic, and the band seemed to be enjoying their performance.

Despite the lack of commercial success, the band continues to tour and record. Their next album is due out later this year, and they plan to continue playing live shows throughout the summer. For more information, visit their website at www.greatblackflag.com.
Four unions now without contracts

(continued from page 1)

the rush would be minimal,quip-
ping. "It will be such chaos at the end [of the plan] that this probably be tampered anyway."

Local 26 is one of four unions representing Institute employees currently working without con-
tracts. Negotiations are continu-
ing between MIT and the Re-
search, Development and Techni-
cal Employees Union (RDTEU) and Local 14 of the Public Employees Protection Union, and a tentative agreement with Local 254 of the Service Employees International Union (SEIU) was reached late yester-
day.

According to a source familiar with the negotiations, the agree-
ment is a two-year contract providing annual salary increases of ten percent, a one-time, five-
week paid vacation for employees
with between fifteen and twenty years seniority, and an increase in pension benefits. An approval vote by the rank and file is scheduled for Monday night.

The same source indicated that a meeting between MIT's negotiators and the RDTEU is likely today.

Negotiations between MIT and the food service workers have remained at a standstill for over a month. Bozzotto walked out of a negotiating session July 23, and has refused to resume bargaining since then. He indicated last night, however, that if R and D [the RDTEU] gets the same offer as SEIU, I'll call Culliton. Culli-
ton said, "I have no been called. I'm willing to sit down and talk. We have proceeded in the spirit of collective bargaining."

Bozzotto blamed Culliton for the breakdown in contract talks. "Obviously he has no plans for being serious with us," he said. "I'm more than willing to call when MIT makes a serious offer. Nine, nine, nine and a half is not a serious offer." Bozzotto was referring to MIT's offer of wage hikes of nine percent for two years, and of eight and one half percent for the last year of a three year contract, made to the other three unions earlier in the week.

Local 26 demands include:

- Language revisions in job descrip-
tions, increased Institute partic-
ticipation in insurance premium payments, and wage increases of fifteen percent for each of the three years. Culliton said the demands are an indication that union "officials appear to be strongly oriented toward the work prac-
tices and requirements of hotels and commercial restaurants, which are quite different from those of educational institutions."

On Wednesday, Bozzotto was less confident about the pos-
sibility of future negotiations. "Saturday," he said, "MIT will make its final offer; then it might be worthwhile to go in and reject it in person." He indicated that a show of solidarity among the MIT unions was likely. "There is an understanding that there will be a joint[strike] deadline. We haven't decided yet."

Commenting on the possibility of a job action, Bozzotto said, "We don't want to bother the stu-
dents; we don't see them as our enemy, if nobody has to be put out it's the negotiators." Ac-
tion takes to date has been limited to a rally and press con-
fERENCE and picketing in front of Culliton's Cambridge home. Others targeted for possible picketing include Manager of Labor Relations James J. Fanel, Vice President Constantin B. Sammonds and President John E. Gray. Said Bozzotto, "We'd like to go out and visit them like we visited Culliton.

Some crowding is unavoidable

(continued from page 1)

Sherwood explained that a small-
amount of overcrowding is un-
avoidable. He said that freshmen may request crowding for any number of reasons. Crowded stu-
dents also take the place of stu-
dents who leave the housing system during the fall term. "We need some crowding so that we don't have empty beds second semester," Sherwood added.

The opening of 500 Memorial Drive also eased the crowding situation. Sherwood noted that the carpenters' strike which oc-
curred during the summer ended ear-
ly enough for the building to be completed. At the time the building was designed, the class of 1985 was expected to be 1100. The Academic Council later voted to limit class size to 1050.

Some students have already moved into the living areas on the top four floors of 500 Memorial Drive. The Turner Construction Company plans to fill its original assignment with the con-
tinued building over to MIT by September 1, ac-
cording to Sherwood. He added that he is "delighted. It is fan-
tastic to see students living there."

Sherwood noted that not all transfer and readmitted students would be living in 500 Memorial Drive. Those with the right to participate in the fraternity and sorority rush will only be granted housing for one year. Sherwood explained that if transfer and readmitted students were guaranteed more than one year of housing, the housing system would quickly become very overcrowded.

R/O Week

The telephone number for the R/O Center given on the schedule is incorrect. The correct number is 253-8172.

Volunteers are needed to help at the International Open House be-
ting held in the Bush Room 10-195 on September 1, 2, and 3. Anyone interested in helping should call Julie Roberts at x-1614.

Activities

The Bursar's Student Accounts Office will be open Friday, September 4, 1981, from 9 to 4 for receipt of payments and emergency fund loans only.

An announcement...
I, located with what may very 
2000( British pounds. 
50,000 or more by September 
M E} Professor Woodie 
Lenipt 
Ispeed 
Machine, except the lead man, 
hands and feet to power the 
machine. All five use both their 
sets of foot pedals and four sets of 
6roup Vloc 
clus() heads Group Velocity, 
sei()r 
Wednes- 

t/ Woll de~rs(9 z .Vtl he 
needed who1 want their nanme to be 
liks on Septemlber 5 for 
to paN, for Group Velocity to take 
on at least one side. Sponsors are 
I/ /'re/lessor Davied Wijsove 
ning, one behind the other, the 
other the other, the 
faster the machine will go. 
5:00pm. After a ten minute 
val, a successful attempt to see 
HE Professor David Wilson. 
According to Monbrinie, the 
machine is a "big billboard," with 
altering space now available 
at least one side. Sponsors are 
residents who want their name to be 
associated with what may very 
become the world's fastest 
HP. 
3:30pm. Another 15 minute 
val to see HE Professor Kall Kriick, 
short design the New Wave is 
need. 
In a hot run on Tuesday at 
Harbor Air Force Base, one 
person pedaled because the New 
Wave had not yet been outfitted 
for five pedalers. Group Velocity 
hopes to have the machine real 
Sunday for a major run to break 
the world record. 
4:13pm. Running from Building 3 
to the rented car to get $1000 
before X80 to make completion of 
the New Wave possible. 
The theory behind the design is 
that with a given frontal cross- 
section for the streamlined 
machine, the more humans pedal- 
ing, one behind the other, the 
faster the machine will go. 
4:20pm. E-29 says the money 
won't be available until Thursday 
morning. 
Two key features which make 
the New Wave so fast are the Lexi- 
un jacket which is zipped over 
the frame to minimize aerodynamic 
drag, and the continuously 
variable Whisper Transmission. 
The Whisper Transmission has 
two bobbins, one of which starts 
out with the chain wrapped 
around it. As the vehicle moves, 
the chain starts to wrap around 
the other bobbin, yielding a con- 
stantly increasing gear ratio. 
5:00pm. The Simplex warehouse 
just off Central Square where the 
New Wave is stored. 
The New Wave is the product of 
approximately four months of 
work and $4000. Besides 
Monbrinie, U.S. power 
behind the machine is Sarah 
Gavit '81, Tim Hilly '82, and 
some twenty other members of 
Group Velocity. If they all 
operate at once, they will be 
trained, the world record will be 
broken. 

If you think “pads and rollers” are 
just a California craze, 
you’re not ready for New Memorex. 

Pads and rollers are key com-
ponents of a cassette’s tape 
transport system. 
This system guides the tape 
play your deck’s tape head. It must 
do so with unerring accuracy. 
And no cassette does it more 
precisely than today’s New 
Memorex. 

The new Memorex tape trans-
pport system is precision engi-
ned, breaking tolerances. 
Flanged, seamless rollers guide 
the tape perfectly and reliably. 
An oversee pad hugs the tape to 
the tape head with critical pres-
sure. Firm enough for precise 
alignment, gentle enough to 
dramatically reduce wear. 
Our unique ultra-low-friction 
polyolefin-wafers help precision- 
molded hubs dispense and 
gather tape silently and uniformly, 
play after play. Even after 1,000 
plays! 

In fact, our new 
Memorex cas-
sette will always 
deliver true 
sound reproduc-
tion, or we’ll replace it free. 
Of course, re-
production that true 
and that enduring 
we do at Per-
fectly, our 
merit this 
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process. It even 
does a little to 
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But when you record on new 
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Voyager camera stuck

Look! Up in the sky! It’s a peanut — a hockey puck — no, it’s Hyperion! These three views of the Saturnian satellite Hyperion illustrate the irregular shape revealed as Voyager 2 approached the hammer-shaped satellite, measuring roughly 220 by 130 miles. (NASA photo via CSR)

Before the failure, scientists observed that the satellite Hyperion has a shape variously described as a peanut, a beer can, and a hockey puck, depending on what angle it is viewed at. The direction of its axis may indicate that the satellite is relatively new to its orbit.

Voyager 2 later discovered a crater on Tethys, another of Saturn’s satellites, covering 230 miles of the satellite’s 660 mile diameter. The observation marked the largest crater/satellite ratio discovered thus far, greater even than that discovered on Mimas by Voyager 1 during its flyby last December. Mimas itself would fit inside the Tethys crater.

The existence of an eccentric, possibly discontinuous, ring inside the Encke division was confirmed, perhaps raising as many questions as Voyager 1’s discovery of the braided F ring.

According to imaging team member David Morrison, the “kinky Encke” is similar in some respects to the F ring, which no longer looks quite the same as it did from Voyager 1. Voyager 2 approached Saturn at a sharper angle than its predecessor, giving it a better view of the rings and smaller satellites.

Though was accomplished before the platform failure for chief project scientist Ed Stone to proclaim the mission “99% successful” late Wednesday night. Stone was speaking on MIT-TV over the NASA Space Net. The final hour of scheduled coverage of the mission will be presented live via satellite on MIT cable 8 tonight at 8pm.

Stone’s statement, coming as Voyager 2 completes the first half of its voyage to Neptune, reflects doubts participants have expressed in the past as to whether Voyager will continue to function during its rendezvous with Uranus in 1986 and Neptune in 1989. Funding for the Grand Tour concept was not originally approved, so the Voyager craft were not specifically designed to explore Uranus or Neptune.
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THE COOP

Stickles
By Geoff Baskir

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comp.

By V. Michael Bove

Outside Looking In

COMICS

MIT construction to finish shortly

By Laura Farhie
The intersecting Whittaker College and Health Services buildings now under construction on the east side of campus constitute "the biggest single building we've constructed since the original group of buildings," according to Director of Physical Plant Paul Barrett.

The buildings, which will open at the end of December, are one of four major construction projects underway at MIT which will be completed by the end of this term. The other facilities are the renovated building at 1 Amherst Street, an additional parking lot on the west side of campus, and a landscape at a site for a potential Arts and Media Technology building.

The infantry will move from its present location into the Health Services building on Carleton Street during the Christmas vacation, the time of the "lowest population density," said Barrett. Medical equipment, such as x-ray machines, is currently being purchased: modelling of the interior of the building is also underway.

The Whittaker College of Health Sciences, Technology, and Management will contain laboratories for the life sciences, explained Barrett. The basement will house cages and facilities for animal research. The entire building has 250,000 square feet of floor space.

The building at 1 Amherst Street, formerly known as the Webster Building, will be completely renovated by mid-October. The Energy Laboratory, headed by Ford Professor of Engineering David White, is currently moving into the third and fourth floors of the building, said Barrett. The second and first floors of the building will be occupied in September and October, respectively.

"The building [name] was changed to 1 Amherst Street so that we don't perpetuate the Webster name," said Physical Plant Office Manager Kenneth Thompson. He explained that the building might later be named after a generous donor.

Construction workers are currently "demolishing one-story buildings that were formerly warehouses" on Vassar Street across from Tang Hall in order to build a parking lot, according to Barrett. The 340,000 square-foot parking lot will hold approximately 100 cars, he added.

Thompson explained that the former warehouses were part of the MIT real estate and had been leased to independent renters "within the reality of how long the site might stay there." MIT gave the owners at least six months notice that they would have to leave, and took the responsibility for finding the owners of other warehouses on its real estate.

Last summer, MIT demolished Building E21, located across from the East Campus parallel to Ames Street. A "simple landscape" is being put there, said Thompson, and if they reach the "threshold level of funding," an Arts and Media Technology Building will be constructed.

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