

in the news

INSIDE

A new million-dollar computer-controlled heating system is saving MIT a great deal of money in energy costs, but students complain that the results are not as comfortable as under the old, manual system.

p3

David Miller '79 of the MIT Junior pistol team has led that team to two new national records this year. He did so after having contributed to a first-place finish for the American Junior Team in the Pam-American games last Thursday.

p8

EXCERPTS

Inventing the waterbed didn't make Charlie Hall rich or famous, but it did leave him with some interesting memories involving Jello.

Now 34, Hall was a design student living in San Francisco's Haight-Ashbury district when he came up with the fore-runner of the waterbed 10 years ago. His invention, actually a vinyl bag filled with 300 pounds of Jello and styrene pellets, "was interesting but not successful, because you needed a forklift to move it."

There were other problems. The bag developed a leak and Jello began oozing into the downstairs apartment. Hall decided it had to go.

"There was all this goo mixed with styrene beads," he recalls, "I was afraid it would clog the toilet and I couldn't just throw it out. So I ended up taking it out at night in little bags and putting them in garbage cans at the beach.

Hall persevered, substituting water for Jello and adding a frame and heater. An art gallery invited him to show his invention and he came up with an eight-foot square waterbed covered in red velvet and dubbed "The Pleasure Pit."

"It was a big hit," he said, "I thought the merits of the waterbed would be seen immediately."

It didn't work out that way. Waterbeds, says Hall, were viewed as part of the "Hashbury" hippie culture, another example of California craziness.

"People saw these undulations and there were all these hippie and sex connotations," he said. "Actually, although I hate to say anything negative about waterbeds, as far as sex goes, well, that's not the best part. Waterbeds are for sleeping."

— Associated Press

Strong showing for Vellucci

Four City Councillors lose seats

By David B. Koretz

There will be four new faces on the Cambridge City Council next year — David A. Wylie, Kevin P. Crane, Lawrence W. Frisoli and Mary Ellen Preusser.

The four incumbent councillors who lost their seats are Barbara Ackermann, David Clem '73, Daniel J. Clinton and Leonard J. Russell. All except Clem had been on the Council for at least two two-year terms.

Incumbent Walter J. Sullivan led the overall balloting and was elected on the first round. Sullivan is known as a staunch conservative and is perennially among the top vote-getters.

Behind Sullivan were two candidates endorsed by the liberal, pro-rent control and reform-oriented Cambridge Convention '77 (CC '77): Sandra Graham, the only incumbent black in a city office, and Wylie, a progressive former councillor.

Mayor Alfred Vellucci, a moderate independent, finished fourth, surprisingly strong in light of his recent resignation from a state job following charges of negligence. Francis Duehay, an incumbent CC '77 candidate and

an administrator at Tufts University, came in next.

Crane and Frisoli, who finished sixth and seventh, are both sons of former Cambridge politicians; Crane's father is a former mayor and Frisoli's father was recently deposed as school superintendent. Bringing up the rear in a close contest were the incumbent conservative Thomas Danehy and CC '77 candidate Mary Ellen Preusser. Preusser was a human services candidate known for her local work for tenants' and women's rights.

The biggest surprise was the fall of Barbara Ackermann, a councillor for eight years and a pro-tenants CC '77 candidate. Ackermann was not even close to the top nine after the final ballot. Clem's, Clinton's and Russell's defeat can be attributed to their stands against rent control and condominium conversion limitation.

In the School Committee race, 70-year-old James Fitzgerald was the only incumbent who failed to be re-elected. David Holway, edged out of the sixth spot two years ago, finished a strong fourth.

election winners (in order of finish):

City Council

- I Walter J. Sullivan
- I C Sandra Graham
- C David A. Wylie
- I Alfred Vellucci
- I C Francis H. Duehay
- Kevin P. Crane
- Lawrence W. Frisoli
- I Thomas W. Danehy
- C Mary Ellen Preusser

School Committee

- I C Alice K. Wolf
- I Donald A. Fantini
- I Joseph E. Maynard
- I C Glenn S. Koocher
- I C Sara Mae Berman
- C — Cambridge Convention '77 endorsed
- I — Incumbent

Over \$8,000 collected

Hump leads UMOC pack to new record

By Mark James

Teamwork teamed up with ugliness this year to collect record amounts of money for the American Red Cross as the Hump captured first place in the Ugliest Man On Campus contest.

Larry DeMar '79, Dave Browne '78, and J. Spencer Love — the Hump — were assisted by numerous "humplets" in collecting \$2,819.35, a new individual record.

Together with the other candidates' collections, this sum helped a set another record for total donations — \$8,242.45.

J. Arthur and his Randoms (Robert Resnick '77 and friends) finished second with \$2,091.40. In third place was Leo Harten G with \$1,021.20, followed by Delicia (a group of WILG residents) with \$603.98, and the Pec (Joel Lederman G) with \$377.84.

DeMar and Browne credited the enthusiasm of Baker House and Pi Kappa Alpha for much of their success. Browne also complimented their graphic arts assistants — Al Chock '78, Geoff Baskir '78, and Rich Perlstein '78 — for the posters, slides, and t-shirts they produced.

Browne said that the contest was "a hell of a lot of fun." Demar noted that it was also an "incredible time-sink," but Browne added that it was also "an incredible way of meeting people."

The Hump repeated their victory of last year when they collected \$1,678.89 and the contest netted \$7,273.69. This year the Hump produced a "slush fund" equal to their last year's total.

The year before last, Count UMOC won with less than \$700 collected at the last minute, and some doubted the future of the contest. Browne said that this low total may have contributed to the revitalization of the contest in the last two years, because many new contestants ran with the attitude "I can be UMOC" if someone can win with \$700.

Each candidate who collected over \$100 will be treated to dinners at MacDonald's. Top winners also receive dinners from Newbury's Steak House and Legal Sea Food, and the Hump will receive a keg of beer from the Student Center Committee.

The week-long contest drew to a close last Thursday as candidates attacked passersby in crowded Lobby 10. DeMar asserted that "the contest was too long for the enthusiasm of the people," and it was difficult to secure last minute contributions.

J. Arthur used popcorn sales as a main collection tool. Resnick smirked that "the Hump has been collectively kicking themselves for not thinking of it first." Resnick contended that J. Arthur broke the record before the Hump, a claim vehemently disputed by DeMar and Browne.



J. Spencer Love (left) and Dave Browne '78, two thirds of The Hump (Larry DeMar '79 not pictured) wound up their record-breaking UMOC campaign last Thursday. (Photo by Douglas Birdwell)

Observations on an open campus

By Roger Silverstein

"I think it's a good idea. It makes it easier to use the computer at three in the morning." — student

It is past two in the morning in the Infinite Corridor. It is rather eerie. The hustle and bustle of the day is replaced by a muted symphony of doors slamming, workers coughing, machines whirring, and the constant static of the cable TV. The eeriness is augmented by the lighting (half the lights are off); there is no one in sight along the entire corridor.

According to Campus Patrol Chief James Olivieri, the MIT buildings' availability to its community 24 hours a day, seven days a week, differentiates it from any other college that he knows. Many other college campuses are completely locked up at night and those that are not have perhaps one or two closely guarded lab buildings open.

"You mean they open the doors at night?" — former student

The access to MIT buildings is something that is often taken for granted. For those of us who do not need to run labs at night, it may seem unnecessary. But consider evening classes, movies, computer facilities, 5.41 review sessions, and numerous student activities. All of these would be far less convenient (if at all possible) without access to the Institute.

The open-door policy does not mean that every door is left open. Olivieri called this concept perimeter security, which eases the overall problem of security. It is also designed to give trespassers as much difficulty as possible without obstructing regular users.

"I like the fact that I can get to the reading room, and a quiet place to study." — student

"It's really good; you can walk through the campus at night without having to go around. I wouldn't walk on Memorial Drive alone at night." — student

The Campus Patrol took a survey two years ago by asking every person encountered in the Institute buildings at night why each was using the facilities. The results were very interesting. It was found that the majority of the people were on their way between east and west campus, and were using the halls as a short-cut. Also, a surprisingly high percentage of people (over one-tenth) were students from other colleges in the area using MIT's facilities. In any case, the most were legitimate users, with very few intruders found.

"I couldn't live without it. For example, if you have an experiment running, you have to have access to it. Experiments don't run on a nine-to-five basis." — student

Of course, if you have 24-hour access to the buildings, you need 24-hour security. Of the 300 "suspicious persons" the CP stopped in the buildings last year, one third were stopped between 8pm and 8am. The Patrol also answers fire alarms (most of which are at night), unlocks doors, provides escort service, and performs other services ranging from checking out elevator malfunctions to obtaining dry ice necessary for a midnight experiment.

"I think the open door policy promotes the opinion in professors that you can do work 24 hours a day." — student

"I think it should all be locked up. Some people work in the buildings all by themselves, and anybody could walk in." — night worker

The basic problem with the Open Door Policy is that it makes the buildings, according to Olivieri, "a continuation of the city streets." This means theft is a constant problem, although it has been combatted with a number of programs in recent years, such as bolting down typewriters, and engraving identification numbers on equipment. At this point, the advantages of leaving the doors open are much greater than the disadvantages.

What if this policy becomes more trouble than it is worth? Although Olivieri emphasized that there are no plans to change policy, and any major change in the near future would be highly unlikely, he did mention alternatives ranging from "controlled access" (which involves a security check at the front door) to actually closing the doors at night and curtailing any program involving night usage.

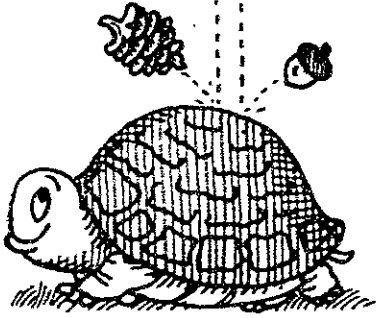


(Photo by Douglas Birdwell)

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Psychiatry Professor — Author
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Heating computerized

By Patrick Barron

Several MIT dormitories have been placed on the Institute's new computer-controlled heating system as part of the campus-wide conservation campaign begun in 1974.

Until this winter the focus has been on cutting back MIT's enormous energy consumption, according to project manager Andy MacDougall; the Institute uses as much electricity as 18,000 single-family homes.

This year it is hoped that the new system will cut heating bills by as much as \$195,000, a fraction of the Institute's annual expenditure on energy. Last year alone, more than \$5 million was spent on electricity, fuel oil, and purchased steam.

In the past, the heating system was operated manually or on a time clock that switched on a building's entire heating system. This utilized little of the flexibility that can be achieved, given the existing facilities, in regulating the heat output, depending on the environmental conditions both within and outside the building.

Until recently the system, designed to operate in a set mode, invariably consumed heat far in excess of what would be needed if the system had the capability of "thinking." Different elements in

the air handlers can be used to a greater or lesser extent at times, utilizing the heat in the building optimally and maintain a comfortable temperature.

The new scheme has some 2,500 sensors that were installed last spring in 33 campus buildings. The sensors convey external and internal environmental conditions to a central computer, that has stored detailed information about the structure, insulation and heating system of the building, and knows how it can be heated most efficiently under various conditions. The desired temperature ranges from 68 to 78 degrees Fahrenheit.

The dormitories on the new heating system include McCormick Hall, Baker House, Burton House, MacGregor House, Tang Hall, Eastgate and Westgate. The buildings all operate on a system that utilizes steam, supplied by the power plant to heat a supply of water that is circulated through the building's radiators. The temperature of the water can be controlled in relation to the severity of outside conditions, an option that the older dormitories do not have.

Senior House, East Campus, Ashdown House, and Bexley Hall are heated directly with steam bled off the steam supply line

from the power plant. After being reduced from 200 psi to 2 psi it is fed through the buildings' radiators at a standard temperature of about 350 degrees Fahrenheit.

Views on the adequacy of heating provided under the new scheme vary greatly withing dormitories but the general view is summed up by Dean Castagnozzi '79 who said, "Last year the temperature ranged to both extremes of a comfortable mean, but this year it's either just sufficient or else too cold."

Of course, the structures of the buildings create differentials in the way heat is distributed. In MacGregor House, for instance, residents in the lower floors of the high rise complain of the inadequate heating, because much of the heat flows up to the higher stories. There the complaint is of too much heat that people regulate by letting it flow out of an open window.

Several Senior House and East Campus residents complain of their buildings being too cold, although they are not included on the new heating system. The problem stems from inadequate insulation in the building and cold draughts that sweep through the rooms through doors and windows that do not close tight. Electric blankets and heaters are the solution to the problems of many residents.

The new computer-controlled heating system may promise wonders in terms of cutting down heating costs, but does provide a measure of discomfort in the reduction of available heat.

Fast for a World Harvest

Oxfam-America, part of an international non-profit organization, will be sponsoring the second annual Fast for a World Harvest this week. People are asked to fast from suppertime Wednesday until suppertime Thursday, and donate the money they save to Oxfam.

Last year 80 students fasted and donated about two to three dollars each, on the average. The money goes to fund self-help development programs in Africa, Asia and Latin America.

Oxfam is currently running programs in Peru, Ethiopia, and

Bangladesh, among others. Natives are taught farming methods and are helped along the road to self-sufficiency.

Campus organizations sponsoring the Fast are MIT Hill, Foreign Students Office, International Students Association, MIT Lutheran-Episcopal Ministry, Tech Catholic Community, and the United Christian Fellowship.

There will be a booth in Lobby 10 all week for signing up to fast. For more information, call Bill Gallagher, x3-5519, or Bob Allen, x3-6920.

news roundup

World

Sadat invited to Israel — Israeli Prime Minister Menachem Begin said yesterday that he was willing to issue a written invitation to Egyptian President Anwar Sadat to come to Jerusalem for peace talks. Begin had earlier issued a verbal invitation to Sadat, who had expressed interest last Wednesday in coming to Israel. Begin said that Sadat's visit would include a visit to the Israeli Parliament.

Nation

Carter supports Humphrey-Hawkins — President Carter said yesterday that he supports the Humphrey-Hawkins bill and its goal of four percent unemployment by 1983, calling this target an ambitious goal that may be difficult to realize.

Tax cuts likely — Congress will probably approve large tax cuts early in 1978, Assistant Senate Majority Leader Allan Cranston (D-Calif.) said yesterday. Cranston urged the President to delay his tax reform proposals until such a cut is made.

More wheat to Soviets — The Agriculture Department announced yesterday that 100,000 metric tons more of wheat has been sold to the Soviet Union, making a total of 2.4 million tons of grain sales for this year and next.

Local

Visiting black students assaulted — A group of black students from the Pine Forge Academy were the victims of apparently unprovoked attacks by two club-wielding whites at the Bunker Hill Monument yesterday. A teacher sustained head wounds, and five students received various other injuries. The two men have pleaded not guilty to charges of assault and battery with a dangerous weapon.

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notes

* Runoffs for the Miss Piggy's Pizza Beauty Contest will be held at 8pm tonight at Whimsey's in Copley Square, with prizes up to \$100. To enter, just take a bathing suit and ask for Beverly, or call 884-6868 for details.

* **2 REVUE**, the new issue of the MIT Journal of Arts and Letters, will be on sale in Lobby 10 from now until Dec. 2 for \$75.

* The Registrar's Office announces that next Wed, Nov. 23, will be the last day on which students may cancel registration for a subject. In other words, Drop Date.

BRATTLE FILMS PRESENTS
Features for the week of
November 16-22

Brattle Theatre
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Wed Sat Nov 16-19
Ingmar Bergman's comic masterpiece
SMILES OF A SUMMER NIGHT
5:40 9:40
and
Jean Renoir's **RULES OF THE GAME**
7:40 Sat Mat 3:40
Sun-Tues, Nov 20-22
Kurosawa's **DODES KA-DEN**
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and
Brecht's **THREPPENNY OPERA**
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and
THE KILLING
7:55 Wknd Mat 3:45

CINEMA II
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TROUBLE IN PARADISE
6:15 9:50
and
CHARADE
7:50 Wknd Mat 4:15
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M.I.T. STUDENT CENTER
the COOP

Oil shortage demands our immediate attention

By Arthur Hu

You can't have your cake and eat it, too. We, as Americans, have two energy problems, price and supply. Since energy simply costs more to produce now, we can only solve one or the other. High prices we can live with, although they may contribute somewhat to inflation. But we cannot afford to live with energy shortages. The great recession of 1975 happened not because of inflation caused by higher oil prices; rather, it resulted from oil shortages. These shortages caused high-scale unemployment, especially in the large auto industry.

Don't go for cheap energy at any price. Complete decontrols may cost consumers millions a year, but that's the price we'll have to pay to get it out of the ground. There is no free lunch. Even if the price of oil were raised just a few cents a barrel, it would still amount to millions a year, just to show how ridiculous this kind of comparison is. Decontrol will certainly not cost *me* millions of dollars per year!

How much does an energy shortage cost? In terms of lost jobs, wages profits, production, and human pain and suffering, higher prices are a bargain compared to the cost of a major shortage.

Cheap domestic oil and gas is no bargain. Low prices mean

we'll see who's greedy!). It is a historical fact that in 1974-75, money for development was increased by *more* than could be accounted for by 'excess profits.' And it makes good business sense to put money where it will return even more, given the increased return on investment of high-priced oil.

There is no such thing as 'adequate' incentive. That's like saying that there's 'adequate' levels of exploration and development of new oil sources. That's nonsense. The energy situation demands that we develop all we possibly can afford to, so we should give as much incentive as is possible, not just an 'adequate' level.

Don't fool the public into thinking the Congress supports the oil companies because of oil lobby money. They're certainly not paying me to say what I do! Let's not use this irrational scapegoat mentality. All I care about is not freezing in the dark for the next 30 years, and we're not going to prevent it by crucifying our only energy development resource, and I'm sure that those senators genuinely agree with me.

Don't make oil cost more than it has to by taxing — there's just no sense in paying extra for oil when it won't get you anything, and when it isn't in that short supply. Taxes will only fuel inflation, and make it even less affordable

perspectives

much less domestic oil and gas, which means that more foreign oil and gas will have to be imported at much higher prices. Even if domestic prices were higher, it would still be a bargain because the money goes into the US for developing more oil, instead of disappearing into some foreign treasury.

Why effectively ban the development of high cost gas sources? If I can find gas, and sell it profitably only at higher than control prices (but still lower than the prices of alternatives), and people are willing to buy it rather than face shortages or more expensive alternatives, why can't I sell it? And why can't I buy high priced gas if it's priced competitively with other energy sources, though it's higher than the control price? Because the government thinks it's too expensive, and they're afraid the oil companies are exploiting me if I do! It doesn't make much sense to me.

Don't put the cart before the horse. The nation's first energy priority is to make sure that we don't have shortages, not to make sure that the oil companies don't make a higher than normal profit, which is a questionable motive in itself. Changing of priorities can only be made at the cost of future shortages.

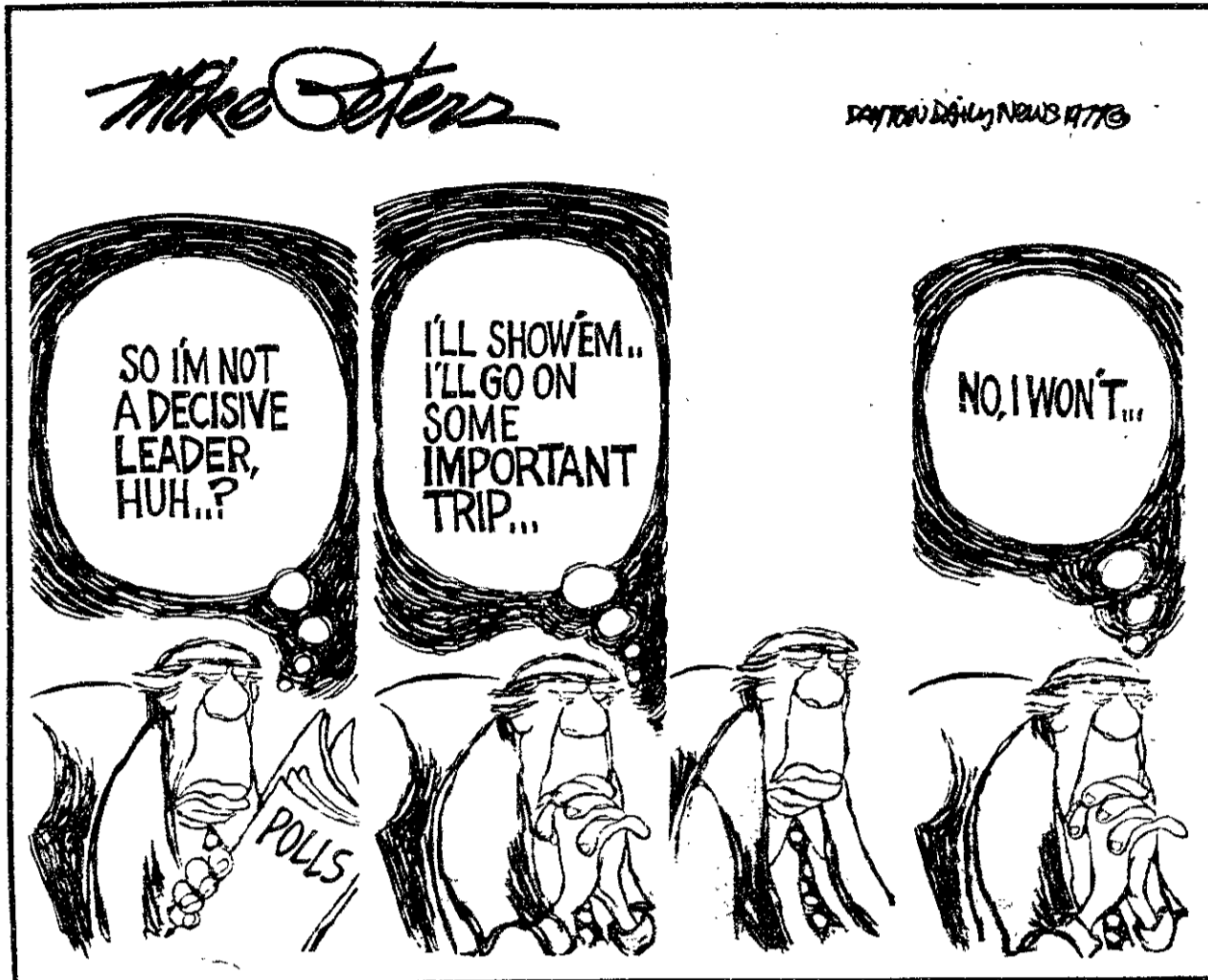
Don't kill the goose that lays the golden egg. The Oil companies are all that we have to get out of this energy mess, and if we give them the shaft, we haven't shafted our enemies — we've shafted the people we depend upon to supply us with energy.

Don't attack 'windfall' profits. Making loads of money is not profiteering, ripping off, or exploitation. This is where the money comes from for drilling, exploration, and research and development. Money like that doesn't just fall from the sky, you know. And this is where more money is needed urgently. To cut this money is energy suicide, and sheer foolishness. ("Well, I can't let those greedy rich =S%&* oil executives get rich out of this!" —

to those who need it and a barely afford it now, especially when there's plenty of supply (with a decent energy policy), and there's really no reason to conserve for conservation's sake. (And I thought Jimmy was the one who was so concerned about protecting consumers from getting ripped off by gigantic organizations!)

See and believe the evidence. The problem with oil company information is credulity, not credibility. No one's ever been able to nail the oil companies for profiteering, mostly because it never happened, and two classic examples of gas decontrol happened recently in Texas and Canada. Prices went sky high, people were still willing to pay for gas at those prices, and drilling and development went sky high along with the prices. Demand went down as people switched to less expensive alternatives, production and reserves went back up, and now Canada has so much gas that it doesn't know what to do with it, and Texas has plenty of reserves, too. And prices stabilized.

Let's look at the tragedy of decontrol. Prices will go sky high, and people will have to pay as much or less for domestic gas as others do for oil, electricity, coal, and imported gas. What a rip-off! And since it's so expensive, they'll have to try to save money by insulating, and switching to alternatives like coal and nuclear power. They'll conserve, and they might even consider solar energy. What a terrible sacrifice! Profits will go sky-high — and disappear promptly, plus some will go into drilling and development. It's more profitable to re-invest the money. What an insidious form of profiteering! And reserves will increase, production will inch up until there's a surplus — and guess what — prices will go down and stabilize, no shortages. But I'm sure everyone was happier with cheap gas and shortages.



feedback

Blood donors thanked by TCA

The Tech received a copy of this letter to the MIT community:

The Technology Community Association (TCA) would like to thank all of the people responsible for the success of the Fall Blood Drive. During the course of the drive, 1689 pints of blood were collected, the highest turnout in four years; an additional 260 people offered to donate, but were deferred for medical reasons. Several dozen individuals, including many with no affiliation to TCA, volunteered hours of time working at the drive. It is such responses to the needs of the community which make TCA projects (such as the Blood Drive) work.

The purpose of the TCA is to work towards fulfilling the needs

of the MIT community; in order to find the manpower to make such work successful, we must turn to the members of the community. The results of this drive indicate once again that people at MIT really do care about others. We hope that they will continue

to give of themselves, and we repeat our thanks to those who gave during the Blood Drive.

Jim McCormack '79

Technology Community Association Nov. 7, 1977

Crew battle unreported

To the Editor: We are dismayed at the rather obvious cover-up that *The Tech* has tried to perpetrate this week; we would have thought that your journalistic code of ethics would have prevented you from squelching an important news story merely because it showed up a weakness in your staff's unremarkable abilities.

We are referring, of course, to your lack of coverage of the 1977 Golden Turkey Quill challenge,

which occurred this past Saturday morning on the waters of the Charles. As you well know, but chose not to report, the *Technique* staff vanquished the staff of your rag in a close, but never really all that close, battle of the eights during Class Day 1977.

We quite clearly recall that after the last running of the Golden Turkey Quill, in 1975, you made a point of covering the story of your cheap win during

(Please turn to page 5)

Hump thanks UMOG workers and community

To the Editor:

We would like to begin by thanking every member of the MIT community for their help in raising \$8,242.45 for the Red Cross. The UMOG contest was very widespread this year, and there were few who did not play some role in collecting this amount.

The HUMP would like to extend special thanks to the following Humpets: Geoff Baskir, Al Chock, Barry Cinnamon, Cathy H., Sue Kayton, Richard Kovalcik, Richard Mittleman, Richard Perlstein, Dave Stallard, and we would also like to thank the following helping hands: Baker House, PiKA, Campus Patrol, Beverly & Joanne & Cambridge Trust, The IPC, Landlubber Jeans, Building 19 Inc., Larry Crowson, APO & TCA & Lucy Everett.

We thank everyone for their assistance, and the community for tolerating our ugliness again this year.

Larry DeMar '79
Dave Browne '78

J. Spencer Love

For The HUMP — UMOG '76, '77

Nov. 13, 1977

The Tech

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Ellen Fields appears as Mother Jones with Allen Oliver (left) and James Oestereich (right) in *The Furies of Mother Jones* at the People's Theatre

Furies of Mother Jones: relevant, human drama

By Jim Walker

(The Furies of Mother Jones at the People's Theatre, Inman Square, Thursday-Friday at 8pm, Saturday 7pm and 10pm, through mid-December, tickets \$3.50-4.50.)

The Furies of Mother Jones is a relevant story told with power and passion. A new musical drama by Maxine Klein, with music written and performed by James Oestereich, it tells of the lives of several deep pit coal miners and their families as they strive to organize and unite the United Mine Workers behind Jock Yablonsky. Mother Jones appears on stage to narrate parts of this story as well as to relate anecdotes and sing songs from her own experiences as a labor organizer in the late 19th and early 20th centuries.

There is a certain nobility in the story of a people fighting to maintain their dignity in the face of oppression — in this case, the oppression of the big coal companies — and this play captures the human spirit behind that nobility.

But there are weak points in the play. The first half could use some skillful cutting: Mother Jones' diatribes begin to sound the same when we hear the third or

fourth one. The play is also slow at a couple of points, due to ill-placed songs which serve to slow down rather than maintain the momentum of the story.

The technical aspects of the play are handled well. The lighting helps create the tension of the struggle between the miners and the company men and is well coordinated with the set to give the appearance of the interior of a deep shaft mine. The costumes reflect the culture of the Appalachians.

Overall, the acting is very good; the only real disappointment is Mother Jones herself. I envisioned her as a sort of female Abe Lincoln: a person with a crusty surface, but underneath a true strength and dignity. Ellen Fields, who plays the role, has this exterior, but not the more important interior — that inner nobility, dignity and passion that made Mother Jones the commander she was.

However, these faults cannot mar the powerful subject of the play — the triumph of the indomitable human spirit. Little Flags Theatre, which produced the show, is to be congratulated for a job well done. If you're looking for good entertainment, I recommend seeing *Mother Jones*.

Record reviews

New Supertramp, Queen, Rod, Cult and Carole

By David B. Koretz

Even In The Quietest Moments — Supertramp on A&M Records

Even In the Quietest Moments is quite simply one of the best albums I have ever heard. Vocalists keyboardists Roger Hodgson and Rick Davies harmonize with Doogie Thomson's bass guitar for a magnificent mixture of hard-driving rock-and-roll and breathtaking, sometimes haunting, melodies.

The hit single, "Give a Little Bit," while not a bad song, is actually the worst cut on the entire album. A standout on the first side is "Lover Boy," a complex composition that is only a warmup for the title song. "Even in the Quietest Moments" is a fantastic blend of traditional rock with classical orchestral arrangements.

On the flip, one encounters the delightful ballad "Babaji," a great subdued piece called "From Now On" that's reminiscent of the Eagles' "Last Resort," and the album's ten-minute *piece-de-resistance*, "Fool's Overture." This finale is a haunting call to rebellion against man's past misdeeds. In the style of the more progressive groups of the 1970's, "Overture" is a tightly woven tapestry of orchestral and electric sounds that typifies Supertramp's emergence, with this recording, as one of the most talented bands around.

Only the group's fourth album, *Even In The Quietest Moments* is a tremendous leap forward for Supertramp, who in the past have relied on more raucous, less complex material. If this album is an indication of what we can expect from the band in the future, then that future looks very good indeed.

News of the World — Queen on Elektra Records

This is a very disappointing album from one of the world's most talented bands. Firmly established a few years ago as a first-rate hard-rock band, Queen chose two years ago to pursue Freddie Mercury's opera career. On this, the group's second album in less than a year, there seems to be some uncertainty about whether to choose one of the earlier paths, or drummer Roger Taylor's "New Wave" tendencies.

On the punk end are Taylor's "Sheer Heart Attack" (originally conceived for the album of the same name) and guitarist Brian May's "We Will Rock You." There are some pretty mundane cuts, distinguished only by sappy lyrics: the single "We Are The Champions," May's "All Dead, All Dead" and Mercury's "Get Down, Make Love."

There are, to be fair, a few songs that are reasonably good, although they're no better than the material Queen was doing consistently three or four years ago. Shining brightly, strangely enough, is bassist John Deacon, who betters his entire prior

songwriting output with the best tracks on the record, "Spread Your Wings" and "Who Needs You."

My overall reaction to *News Of The World* is best summed up by the last cut, Mercury's "My Melancholy Blues:"

"Another party's over —
And I'm left cold sober"

Foot Loose & Fancy Free — Rod Stewart on Warner Brothers Records

Rod's not getting older, he's getting better — this is his best album yet. After *A Night On The Town* it looked as if he'd reached his peak, but he's topped his former best with a collection of original songs and a couple of oldies.

The best song on the album is "You Keep Me Hangin' On," which Stewart croons better than the Supremes ever did. His gravel-throated vocals are smoother than ever here and are helped by John Jarvis' excellent keyboard arrangements. Sure to be a number-one hit is the single "You're In My Heart," a little zippier than a lot of the songs on his last album, it still has the coy seductiveness that sets female hearts a-flutter.

With the exception of Jarvis and guitarist Billy Peek, all of the musicians on *Foot Loose & Fancy Free* are changed from *A Night On The Town* and none at all remain from *Atlantic Crossing*. For the most part, the changes were for the better: the instrumentals are crisp throughout.

So, while Rod's personal life crumbles around him and he has suddenly become more popular than ever before, his music continues to shine, unaffected by anything except his professionalism.

Spectres — Blue Oyster Cult on Columbia Records

Agents of Fortune blasted its way onto the rock scene last year to draw everyone's attention to Blue Oyster Cult — and *Spectres* is why.

In the past, when the Cult was trying to be what Kiss is on stage, it played nothing but loud, raw rock-and-roll. When Kiss became the teeny-boppers' idols, the Cult, led by guitarist Donald (Buck Dharma) Roeser, turned its attention to music. Buck, although a little crazy, is an excellent guitarist. Eric Bloom has the kind of voice that characterizes metal groups but is not out of place in a quiet ballad. These two were about all we heard on *Agents*.

On *Spectres*, we finally hear what everyone else can do. The Bouchards (bassist Joe and drummer Al) are fine musicians in their own right, although keyboardist Al Lanier is no Elton.

Spectres has plenty of the blistering rock that Cult fans are used to, but there's much better here. Buck shows that he can still play when he turns the amp down; Bloom can still sing when he's not drowned out.

The result is some very fine music.

Spectres, I hope, will be the musical turning point for the Cult. The sounds on this record are too good to ignore.

Carole Bayer Sager on Elektra Records

Carole Bayer Sager is an accomplished songwriter who finally decided to sing some of her own songs. With a lot of help from people like Melissa Manchester, Marvin Hamlisch and Bette Midler, she has put together a fairly good album.

The strength of the record lies in the songwriting. (She wrote "Nobody Does It Better," Carly Simon's hit song from *The Spy Who Loved Me*.) Sager's voice is a little

harsh, coming from deep in the throat, although she has no trouble staying in tune.

Most of the songs have slow and pleasant melodies, with the exception of "You're Moving Out Today," a silly AM radio song. Sager's style falls somewhere between folk-rock and blues. Where she is backed up by Melissa Manchester the tone is definitely blues, while the Bruce Roberts/Bette Midler songs tend towards pop.

The album as a whole, while nothing spectacular, is a very listenable collection. If you're tired of James Taylor and Linda Ronstadt, this might be a pleasant change.



On Monday, November 7, LSC sponsored a lecture by the noted writer of fantasy Harlan Ellison. For three and a half hours, he read from unpublished works and talked about his experiences at Ohio State and throughout his career as a writer. (Photo by Gordon Haff)

sports cont.

IM seasons are coming to a close

By Tom Curtis

The Brazilians won both the A-league volleyball title and A-league independent soccer crown last week. On Thursday night, they won the volleyball title by defeating Baker "Does It Again" in the finals. On Sunday, the Brazilians scored a 3-2 come-from-behind victory over Hellenic Club and won the independent soccer title.

The volleyball championship turned out to be a very close match although the first two games were not hotly-contested. After the Brazilians battered Baker 15-4 in the first game, "Does It Again" returned the favor by winning the second game 15-2. The final game was a thriller as the lead switched back and forth until the score was 12-12. The Brazilians then ran off three straight points to win 15-12. "Does It Again" lived up to its name by being the runner-up for the second straight year.

In the soccer finale, the Brazilians were behind Hellenic Club 1-0 at halftime. However, the Brazilians scored the first three goals of the second half and held on for a 3-2 victory over Hel-

lenic.

Delta Tau Delta won the A-league living group soccer title with a 4-2 victory over Beta Theta Pi. The Delts broke open a 1-1 halftime tie by scoring in the second half three times, twice in the final ten minutes.

In other intramurals, Sigma Alpha Epsilon defeated Lambda Chi Alpha in the finals of B-league football (details in Friday's issue of *The Tech*). The MIT Chinese Students Club defeated Nuclear Engineering 15-6, 15-4 in B-league volleyball.



Living group teams fought for the soccer championships Sunday in the IM finals (Photo by Dale Senchal)

IM cross country results

Living Group Teams

SAE	114
SC	121
SPE	175
NRSA	219
Fip	225
TEP	232
ET	233
Burton IV	241
Baker	262
Burton V Smickers	289
New III Stooges	291
SEP	298
Theta X	301
East Campus	302
French House	351
Pisa	357

Independent Teams

Economics	70
Navy POTC	72
Hydros	106
Aero Astro	137
Nuc E	180
Sloan	256
Spasmodics	361

Top 10 Individuals

Walter Hill (Ind)	12 29
Jim Holden (Navy)	12 53
Ralph Brard (Eco)	13 00
Tom Cotner (Ind)	13 13
Ryan Lee (Bur V)	13 21
Gerry Flanagan (TEP)	13 22
Bill Aekinheader (Nuc E)	13 25
Tom Bailey (Eco)	13 30
Dave Clark (Ind)	13 34
Bob McKelvey (Ind)	13 39

arts cont.

Record reviews

More from David Bowie and another live Kiss

By Bill Rathbone

Heroes — David Bowie on RCA Records
David Bowie's latest commercial venture, *Heroes*, following a pattern similar to last year's *Low*, is an odd mixture combining bits of rock genius, and almost an entire side of monotony.

Heroes is certainly more listenable than *Low*. Some songs, such as "Joe the Lion," "Blackout," "Sons of the Silent Age," and "Heroes," are strangely compelling. Bowie's lack of anything approaching a lyrical voice is painfully clear, but for some reason it seems more of a strength than a weakness.

But, as on *Low*, the second side of *Heroes* suffers from Bowie's incomprehensible desire to produce a series of boring electronic instrumentals and try to pass them off as music. Unfortunately, he has buried at the end of side two the song "The Secret Life of Arabia," which isn't too bad on its own. It's almost, but not quite, worth suffering through the second side to hear.

"Joe the Lion" is perhaps the best cut on the album. The lyrics are all but impossible to understand, but Bowie's delivery carries the song. It begins with a thick, heavy guitar lead, and moves into a vocal that sounds like it was recorded through three inches of cotton. The driving rock beat is broken only momentarily with a clear monologue reminiscent of *Hunky Dory*. This powerful, fastpaced tune should sell successfully as a single.

Among the other songs, "Sons of the

Silent Age" and "Blackout" are very good. The first is very much like some of the better songs on *Diamond Dogs*, with exceptional lyrics.

Heroes is an uneven effort at best. Attempting to produce the rock music of the future, Bowie succeeds only in alienating many of his fans with this one-sided record that sounds a bit too much like his last one.

Alive II — Kiss live on Casablanca Records (two-record set)

Kiss is the ultimate packaging and marketing success. The band members aren't particularly talented; as they will readily admit, and their studio recordings are generally pretty shabby. But through sheer energy, coupled with a production and management staff that knows exactly what the fans want and will pay for, Kiss has become one of the biggest and most successful bands in history.

Now, according to manager Bill Aucoin's game plan, the time has come to release another live Kiss album, *Alive II*, a successor to the live album which initially brought them national recognition. But the smoothness and sheer calculation of Aucoin's planning seems to have rubbed off on the band.

The first three sides of *Alive II*, with live material from the three most recent Kiss albums, lack some of the energy and spontaneity which has been the driving force behind the band's success. The songs are all good, solid hard rock, but they are too

much like the studio versions. Even the stage patter comes across as totally lacking originality.

Side four, however, consists of five new studio songs, and gives sign of a recovery ahead. Sure, the lyrics are still blatantly sexual; what has changed is the music. It's actually good, innovative, and memorable, complete with hooks. "Rockin' in the USA" is the band's best effort to date, and

has the potential to be a huge hit single. "All American Man" and "Rocket Ride," two more new songs, are also excellent.

Despite the lack of some originality in the live recordings, *Alive II* is a solid album sure to be popular with hard-core fans. Kiss also may, if they play it right, finally break into the singles charts as a major musical force. It all just goes to show what you can do with a good manager.

The Wager carries message

By Judith Frankel

(The Wager at the Suffolk University Theatre, 41 Temple St., Boston, Friday, Saturday, and Monday at 8pm, Sunday at 5pm, tickets \$3, information at 723-4700, ext. 126 or 127.)

John Leeds (Matthew Wells) walked out on stage to give the audience a brief background to the story. From then on one is taken into the lives of four graduate students. *The Wager*, written by Mark Medoff and directed by David Dorwart, involves a bet between Leeds and his roommate Ward (Mark Allen Michaels) about how long it will take Ward to begin an affair with Honor Stevens (Ann Ellett Titolo) and how much time it will take for her husband Ron (Peter Kovener) to either make an attempt to and/or kill Ward.

The play is a comedy and yet a very sensitive drama. It turns from a humorous opening to a serious study of the emotional

relationships of the characters. Their ideals and actions are something that every person can relate to his or her own principles or goals in life. *The Wager* carries a very strong message which, although not apparent in the beginning of the play, unfolds with the story.

Wells did an excellent job portraying Leeds, confusing both the other characters and the audience with his incessant logic. Ron Stevens' personality was transmitted through the brilliant acting of Kovner. Ann Ellett Titolo played a convincing Honor Stevens. Michaels, however, in the part of Ward, tended to appear stilted at times — restricted by the limits of the stage.

The characters, although quite exaggerated, were enjoyable to experience. If looking for an entertaining evening out, *The Wager* is a good way to spend it.

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sports

Volleyball state champs; team to go to Easterns

By Helen Miyasaki

Last Saturday the MIT Women's Volleyball team became the Massachusetts State Champions in Division I of Small Colleges. Coming back as the Division II champions for the past two years, MIT was seeded first out of the four schools vying for the championship. In the first round MIT beat Boston College 2-1, and then moved into the finals against Springfield College. MIT pulled another 2-1 victory, backed by outstanding serves from Karen Samuelson '81, and adept recoveries by captain Sheila Luster '78.

A week ago MIT played in the URI Volleyball Tournament and placed fifth out of ten schools. A number of excellent teams participated including such traditional volleyball strongholds as the Universities of Maryland and Delaware, the eventual finalists. MIT tied with Southern Connecticut in the first round and beat them in the playoffs to come in third of a five-team pool. This enabled them to meet the top

three teams of the other five-team pool.

However, they met East Stroudsburg and lost in three games. In the consolation bracket, MIT beat Springfield making them fifth overall in the tournament.

Other schools that participated in the tournament included the University of Maine, Rutgers, Central Connecticut, and Southern Connecticut.

Last Tuesday MIT beat Springfield 3-1 before its largest crowd of home fans. Next weekend the team will be going to the Eastern Regionals trying to repeat last year's first place performance.

It is currently seeded fifth behind Springfield and will play against many of the teams they met at the URI Tournament. East Stroudsburg, who stopped MIT at the tournament is seeded first. To qualify for the National Small College Championships, MIT must place first or second in the Easterns. The team is optimistic and we wish them the best of luck.

Young wrestling team builds

By Bob Host

With a nucleus consisting primarily of freshmen and sophomores, wrestling coach Wilfred Chassey sees a "team of the future" stepping out on the mat this year.

Although he remarked that there are "too many new people" on which to base a prediction for this season, Chassey is optimistic that the team will be better than last year's, the only losing season that Chassey, now in his sixteenth season, has had at MIT. He stated that although this is a young team, the freshmen and sophomores are "pretty good." They will make mistakes, he continued, due to their lack of experience, but hopefully the errors will be ones of commission, not omission. He would like the team to cut down on their "basic mistakes."

Chassey stated that there is a big adjustment in going from high school to college wrestling, but

the team is optimistic and will "be in every match." In a year or two, the team will be good, he explained, but for now he hopes that the team will be competitive. "We'll be decent," he noted. One advantage is that a good deal of the season is during IAP. He said that it is the "best time for our winter sports," since there is no academic pressure during that time, and the team can concentrate on wrestling.

Saying that most of his wrestlers have had extensive experience, Chassey pointed out a few newcomers who look very impressive. Two of his better freshmen are Rich Potash at 118 lb., who was a scholastic standout in New Jersey, and Jeff Olson, 142 lb. Jay Fedora (134 lb.) is a sophomore who went out for the team this year and has shown good progress. They will complement Gary Spletter (167 lb.) a junior who is one of the most improved members of the team,



The MIT Junior pistol team which just set two new national records includes (l to r) Jonas Aleksonis '80, David Miller '79 (who also won a gold medal in the Pan-American Games), Kyle Brown '80, and Coach Pat Meleragno. (Photo by David Schaller)

Shooters break 2 records

By David Schaller

MIT varsity pistol shooter David Miller '79 brought back a gold medal when he returned from the Pan-American Games in Mexico City last Thursday.

Miller competes in the International Junior class, where shooters can compete until December 31 of the year in which

they turn 20. Competing against shooters from all over the Western Hemisphere, Miller fired a score of 362 out of 400 in the Junior Air Pistol Match. This score placed him 4th overall in the match, but more importantly, contributed to the first place finish of the three man American Junior Team. It was for the team finish that Miller received the gold medal.

A gold medal was evidently not enough for Miller, since after resting from his trip home, he led the MIT Junior Team to two National Junior Team Records in

the Monthly Open Free Pistol and Standard Pistol, Sunday at MIT.

In the Free Pistol match the MIT Juniors shot a score of 1,426, with Miller shooting a 506 out of 600, Jonas Aleksonis '80 a 466, and Kyle Brown '80 a 454. This new record shattered the old record of 1,249 by 177 points.

In the Standard Pistol match, Miller again led the team with a 546 out of 600, with Brown's 519 and Aleksonis's 483 giving a team total of 1548, this time breaking the old record of 1,476 by 72 points.

Field hockey future good

Michael Taviss

Last Thursday the MIT women's varsity field hockey team played their last game of the season, at MIT, against Endicott Junior. Unfortunately, they lost 6-1, but it was obvious to anyone who had seen them play before that this game was much more exciting, and the calibre of the Engineers' playing was much higher.

It was a good game, and the Endicott team had a difficult time containing MIT throughout the first half. The ball see-sawed between each team's half of the field, spending a considerable amount of time near Endicott's goal. The Engineers' coordination was very good. They played a fine positional game.

Unlike previous games, they knew what to do with the ball. Teamwork was an important factor in holding them together, too. They tired as the game progressed, thus enabling Endicott to take control in the second half.

MIT's one goal was scored in this half, though, so they weren't giving up. That was an important point for this team. Throughout the season they wouldn't give up. Coach Deberah S. Clum stated it very well. "The girls have not given up at all." She said, "They've played their hearts out and really made it worthwhile."

In talking about this game she stated that "This is the best I've seen them play all season. They've come a long way." When asked how the Engineers have improved their game, she said that it was their ball control. "Both stickwork and more control of the ball. After all, that's what the game's all about."

The case for next year is good. "Only three players are leaving the team this year. If we keep the same kids, and [get] a few freshmen, we're all set. We will become more competitive. I imagine we will win quite a few more games."

The degree of improvement shown during this season was remarkable. By next year, women's field hockey should be quite a team.

foul shots MIT can afford football!?

By Tom Curtis

In MIT's 23-sport athletic program one sport is conspicuously missing. That sport is football, America's favorite pastime.

I have often wondered why MIT doesn't have a football team. Most people tell me that football would destroy our athletic program, because it would cost so much to maintain a team. They point to schools like Northwestern which lose hundreds of thousands of dollars on football every year.

This view seems to follow from a belief that a football program at MIT would have to be based on the type of program at Oklahoma, Ohio State, or Alabama. They ignore the fact that many other types of programs exist at places like Tufts, Williams, and Amherst. These schools operate no-frills programs with few or no athletic scholarships and without huge football stadiums.

MIT could run a similar program with as little as \$30,000 or about three percent of the current athletic budget. We could even field a competitive team with this amount. Brooklyn College operates its football team on less than \$30,000, yet two years ago its team was invited to a small-college bowl game.

One other argument against football is the sport is too brutal and causes too many injuries. Injuries are a part of any sport, though. Football is no more brutal than hockey, a current MIT club sport, or soccer, an MIT varsity sport.

I believe that MIT should have a varsity football team simply because many people at MIT would like to play varsity football. The seriousness and strong devotion of players in the higher intramural football leagues is evidence of interest in the sport. Many, many people played football in high school and would like to play in college. However, these people are frustrated at MIT.

The reason MIT has 23 sports is because people have always been able to organize a team whenever there is sufficient interest. There is no reason that this criteria should not be applied to football as well. If interest is present, as I believe it is, a football team should be formed at MIT.

and 190-pounder Bruce Wrobel '79, who has been "wrestling well" in practice.

This year's emphasis will be on work on the feet, takedowns, pinning combinations, and rides, but Chassey does not intend to incorporate any new moves developed in Europe, instead concentrating on NCAA rules and leaving freestyle moves for the wrestlers to practice in tournaments over the summer. Chassey favors tournaments over wrestling camps, saying that it is all right for high school wrestlers to learn moves at camps, but once the basic moves are mastered, there are really no new moves to learn, and only by developing combinations of moves which can be used in actual situations will a wrestler learn something new. For that reason, tournaments are better for wrestlers in college. It remains to be seen if this year's team has learned enough to get back on the winning track.

IM soccer standings

A-League Independent	W-L-T	Points	C-1	W-L-T	Points
Brazilians	4-1-0	36	F-Entry Vigilantes	3-1-0	23
Club Latino	4-0-1	36	PKT	3-1-0	23
Hellenic Club	3-1-1	30	Bexley	2-1-1	18
Mech Nuc Eng	3-2-0	27	Aero-Astro	1-2-1	14
African Student's Assoc	2-3-0	20	Chokun Tokers	0-4-0	1
Chinese Student's Team	2-3-0	19			
Economics	0-5-0	7	C-2	W-L-T	Points
Chem. Eng	1-4-0	6	ZBT	4-0-1	33
			FBE	3-1-1	27
			PKS	2-1-2	24
			ATO	2-1-2	21
			Burton 5 Smokers	0-4-1	2
			PSK	0-4-1	2
			C-3	W-L-T	Points
			New III Stooges	3-0-0	25
			PDT	4-1-0	32
			Kicks	2-2-0	18
			DU	2-2-0	13
			Mac C Azekers	1-3-1	11
			Conner "C"	0-4-1	2
			C-4	W-L-T	Points
			Burton One	4-1-0	33
			Baker Bumpkins	4-0-1	33
			Mets	3-1-1	30
			Student House-NRSA	2-3-0	15
			Russian House	1-4-0	10
			McCormick	0-5-0	2
			C-5	W-L-T	Points
			Small Living Place	3-1-0	25
			Burton Third Bombers	2-1-1	20
			The Family Part III	3-2-0	22
			Sloan	1-2-1	12
			Baker Dribblers	1-2-1	12
			ADP	1-3-1	10
			C-6	W-L-T	Points
			K-Bootes	3-0-1	28
			Dekes	2-1-1	22
			Fji "C"	2-2-1	20
			TEP	1-1-3	19
			PKA	1-2-2	16
			SPE "C"	1-4-0	8

score board

Field Hockey 1, Endicott Junior 6
Volleyball 5th in URI Tournament out of 10
Volleyball 1st in Division I Championships

sporting notices

We are offering co-ed wrestling, a greased pig contest, and team volleyball this year. We have the facilities, but need imaginative and creative people to direct these and/or other athletic activities during IAP. Contact Rosemary at AA Headquarters.