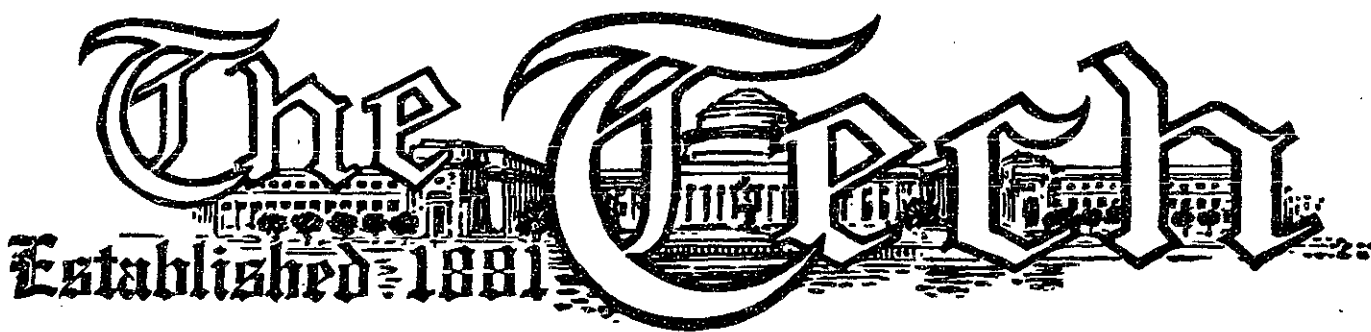


MIT's
Oldest and Largest
Newspaper



The Weather

Today: Rain and Sleet, 45°F (7°C)
Tonight: Windy, cloudy, 38°F (3°C)
Tomorrow: Mostly sunny, 48°F (9°C)
Details, Page 2

Volume 114, Number 1

Cambridge, Massachusetts 02139

Friday, January 28, 1994



Students participate in Charm School in Lobby 7 last week. Courses taught included table manners, buttering up big-shots, how to get a date, etiquette, and manners.

Fernald School Subjects Identified

Litster Testifies before Senator Kennedy's Hearing on Radiation Testing

By Jeremy Hylton
CHAIRMAN

An ongoing investigation of human radiation experiments done by MIT and Harvard University researchers has identified the subjects of at least two 1950s nutritional studies involving radioactive tracers.

According to Professor J. David Litster PhD '65, vice president and dean for research at MIT, the subjects were mentally retarded patients from the Walter E. Fernald State School.

Rev. Doe West, coordinator of the Massachusetts Task Force to Review Human Subject Research and chaplain at the Fernald School,

headed the investigation. She used the Fernald School's records about its mentally retarded patients, information from Harvard University, and MIT's records, which included the height and weights of the test subjects, to determine the dosages each subject received.

"It's a detective story because we have bits of information, and they have bits of information, and the Rev. West has been playing detective. I'm amazed she has put together all the pieces so quickly," Litster said.

In addition to working with the state task force investigation, Litster and Francis X. Masse, MIT's radiation protection officer, testified at a

hearing conducted by Senator Edward M. Kennedy (D-Mass.) at the Fernald School on Jan. 13.

In the 1950s, the late Professor of Nutrition Robert S. Harris studied how the body absorbs calcium and iron by feeding 125 patients of the Fernald School milk and cereal laced with radioactive tracers.

The tests were first made public when Energy Secretary Hazel O'Leary declassified thousands of government documents about radiation and radiation testing late last year.

After reading a story in the Dec. 26 *Boston Globe* about the tests at

Radiation, Page 14

Safe Walk to Offer On-Campus Escorts

By A. Arif Husain
STAFF REPORTER

Starting Feb. 13, students will have the option of enlisting security escorts to accompany them after dark. Safe Walk is intended to provide students with a safe means of getting to areas on campus not covered by Saferide.

Safe Walk was founded by Kenneth M. Porter '96 and Susan L. Ipri G in reaction to the recent upsurge in crimes on campus, Porter said.

Safe Walk will be offered three days per week — Sunday, Wednesday, and Thursday — over a trial period of the next semester, Ipri

said. The service will run from 10 p.m. to 3 a.m., and students desiring to use the Safe Walk service will be able to contact a dispatcher at the information desk in the Student Center. Students may also call x2-1300 for an escort.

The trial period will serve to "see what the response is," Ipri said. Funding is also a limiting factor, and the group needs to work the bugs out of the system, she said.

The project is focusing on publicity and recruitment, with a booth set up in Lobby 10 yesterday. "It

Safe Walk, Page 19

Wastoid Triumphs Over Robot Pirates

By Hyun Soo Kim
NEWS EDITOR

After over nine rounds of double-elimination play, "Wastoid" emerged victorious in the 1994 LEGO Robot Design contest (6.270) Tuesday night.

Benjamin A. Calderon '96, Yishai Lerner '96, and Mihir Shah '96 designed Wastoid, a robot which had a unique feature — a catapult that threw foam blocks as far as five feet across the playing table. It raised the audience in 26-100 to their feet in excitement.

This year's contest was named Robo-Raiders, as the pirates (robots) sought to collect treasure chests (foam blocks) and drink pirate punch (plastic bottles). The pirates could choose to cross the

ocean (a six-inch wide, two-inch deep ditch in the table) to pillage the opponent's ship, or stay on their own ship (side of the table).

A complicated point-scoring system allowed for flexibility in strategies, as robots could play in either offensive or defensive roles. A team lost points for any blocks or bottles that were tipped from their upright positions or were knocked off of its side. A team could also earn points by picking up the bottles and blocks and either storing them in the robot or by transferring them to the home side of the table.

Robots also had the option of pushing a dinghy or a plank into the ocean to help get across.

Contest, Page 15

Judge Serves Velez 20-Year Prison Term

Daniel C. Stevenson
ASSOCIATE NIGHT EDITOR

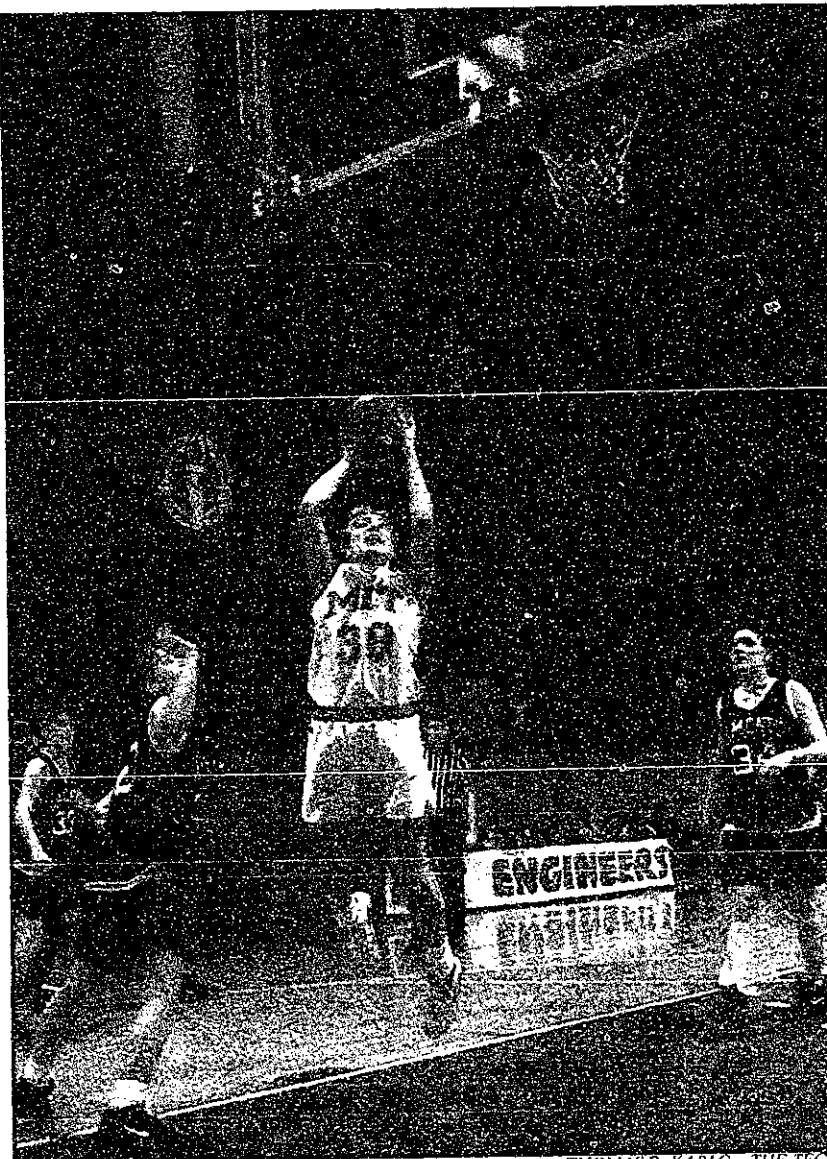
Alfredo Velez, an accomplice in the murder of Yngve K. Raustein '94 on Sept. 18, 1992, was sentenced to 12 to 20 years in state prison last Wednesday. In attendance were Raustein's parents and Velez's mother and young wife.

Superior Court Associate Justice Robert A. Barton explained to Velez the rights he would sacrifice by entering a guilty plea. The Assistant District Attorney read the following account of the evening in question for the record. According to the

prosecution, at 9:45 p.m. on the night of the crime, Raustein and Arne Fredheim G, both students from Norway, were walking east along Memorial Drive near Hayden Library when they were confronted by Joseph P. Donovan, then 18, Velez, then 17, and Shon McHugh, then 16.

Donovan, apparently without provocation, punched Raustein, knocking him to the ground. Donovan then robbed Raustein while Velez robbed Fredheim.

Velez, Page 10



Marl Casserberg '94 scores her 1000th point during a women's varisty basketball game Monday.

INSIDE

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- Kronos Quartet plays chamber music with a modern edge. *Page 7*
- *Gilbert Grape* is a welcome break from sweet Hollywood fair. *Page 9*
- Complex subplots confuse *Blink*. *Page 11*

WORLD & NATION

4.5 Aftershock Rocks Los Angeles After 4-Day Lull

LOS ANGELES TIMES

LOS ANGELES

A magnitude 4.5 aftershock to the Jan. 17 magnitude 6.6 temblor Thursday morning broke a four-day lull of only scattered mild aftershocks in the magnitude 3 range, but scientists reiterated that such moderately strong earthquakes are to be expected.

"The aftershocks are following a very normal pattern for Californian earthquakes," said a statement by four institutions actively studying the geology of the Northridge earthquake — the California Institute of Technology, the U.S. Geological Survey, the Southern California Earthquake Center at the University of Southern California and the Jet Propulsion Laboratory in Pasadena.

"If the aftershocks continue at this rate, the probability of a magnitude 5 aftershock in the next week is about one in five," the institutions said. "We expect one or two more aftershocks of magnitude 4.5 or greater in the next week."

Thursday morning's aftershock, which authorities said would prompt some reinspection of buildings for damage in the area near its north San Fernando Valley epicenter, was the 36th between magnitude 4.0 and 4.9 since the Northridge earthquake.

Belarus Likely to Replace Reform-Minded Leader

THE WASHINGTON POST

MOSCOW

A day after ousting its reform-minded leader, the Communist-dominated parliament of Belarus appeared likely to replace him with one of two politicians who strongly oppose radical reform and support close economic and security ties with Russia.

The vote on a successor to Stanislav Shushkevich is expected soon, and if it goes as most analysts predict, it could complete what has been a gradual but dramatic change of direction for the former Soviet republic of 10.4 million, which borders Poland on the west and Russia on the east.

The effect of the shift, analysts say, would be to make Belarus less of an independent state and more a virtual protectorate of Russia.

Zenon Poznyak, leader of the opposition Belarusian Popular Front, described the ouster of Shushkevich as "a creeping Communist coup aimed at eliminating Belarusian statehood and imposing a dictatorship" under Prime Minister Vyacheslav Kebich.

In the political struggle that has been going on in Minsk for months, Kebich, a veteran Communist and opponent of free-market reform, has been Shushkevich's chief antagonist. In a parallel vote in parliament on Wednesday, Kebich survived a move to dismiss him as prime minister by a vote of 175 to 101.

North Launches Senate Campaign

LOS ANGELES TIMES

ROANOKE, VA.

Oliver L. North, the retired Marine officer who became a national figure during the Iran-Contra scandal, launched his campaign for the U.S. Senate Thursday in public appearances across Virginia.

Speaking to enthusiastic supporters at hotel rallies in four cities, the man who admitted lying to members of Congress seven years ago said that he wants to join their ranks "to take back government from the insiders and wheeler-dealers and put it back where it belongs — in your hands."

If North wins the Republican nomination at the party's state convention in June, the former lieutenant colonel who ran a secret White House resupply mission for the Nicaragua's Contra rebels likely will face another former Marine — incumbent Democratic Sen. Charles S. Robb — next November.

In remarks here in Virginia's heartland that mirrored earlier speeches in Norfolk, Richmond and later in Herndon, North declared:

"I believe that we, those of us gathered in this room, represent the real hopes and the real aspirations and dreams and values of the working men and women. I believe that if we have the courage and determination to do right by them, we can make a change in Washington."

WEATHER

Rainy and windy

By Michael C. Morgan

STAFF METEOROLOGIST

For the first time in almost a month, we run the risk of seeing bare ground in southern New England. A cyclone will move to our west later today. The brisk southerly winds ahead of the cyclone will advect rather warm, moist air into the area. These winds should erode the arctic air that has been rather firmly entrenched in southern New England the last few days.

A cold front will cross the area late tonight - ending our rains. Clearing, cool (yes, cool not cold!) weather will follow the passage of the front. The air will gradually turn colder Sunday before we get our next round of wintry weather early next week. The outlook for next week looks like a return to the deep freeze.

Today: Cloudy with freezing rain and sleet, turning to plain rain. Winds becoming gusty and temperatures rising into the 40's (7°C). Winds south 15-25 mph (24-39 kph) with gusts 35-50 mph (56-81 kph).

Tonight: Cloudy, windy and mild, with rain tapering to showers. Winds south-southwest 15-25 mph (24-39 kph). Low a relatively balmy 38 (3°C).

Saturday: Mostly sunny with a few afternoon clouds. Mild. High 43-48°F (6-9°C). Winds northwest 10-20 mph (16-32 kph). Low 17°F (-8°C).

Sunday: Partly sunny early, followed by increasing clouds. Snow developing late at night. High 28°F (-2°C). Low 22°F (-6°C).

Senate Votes To Lift Embargo On Trade With Vietnam

Thomas W. Lippman

THE WASHINGTON POST

WASHINGTON

The Senate voted by a wide margin Thursday to urge President Clinton to lift the U.S. embargo on trade with Vietnam.

War veterans, conservative Republicans and members of the Armed Services Committee joined some liberal Democrats to approve by 62 to 38 a nonbinding resolution sponsored by Sen. John McCain, R-Ariz., who spent nearly six years as a prisoner of war in Vietnam, and Sen. John F. Kerry, D-Mass., a decorated Vietnam veteran who later turned against the war.

The lineup could provide substantial political cover for Clinton as he weighs a recommendation from senior foreign policy advisers to lift the embargo.

According to administration sources, Clinton has hesitated to take the step, which would symbolically end the 30-year conflict between the United States and the Vietnamese communists, because of his history of avoiding the draft for military service in Vietnam. Clinton has said he will not lift the embargo until he is satisfied Vietnam is doing all it can to help determine the fate of more than 2,200 Americans still listed as missing from the nation's longest war.

The Senate vote was the second big political boost this week for those who favor ending the embargo and allowing U.S. firms to participate in Vietnam's fast-growing economy.

Earlier, the Defense Department released an analysis of two documents that surfaced last year from intelligence archives of the former Soviet Union purporting to show

Vietnam held hundreds more U.S. prisoners of war than it acknowledged. Intelligence analysts from several departments concluded the documents are authentic but their information cannot be correct.

The documents are riddled with "inaccuracies, inconsistencies, exaggerations and fabrications," according to the report, prepared by intelligence analysts from the Defense Department, CIA and State Department Bureau of Intelligence and Research.

One of the so-called "Russian documents," found in Moscow archives by Harvard-based researcher Stephen Morris, purported to be a Russian translation of a Sept. 15, 1972, briefing of the Hanoi politburo by Lt. Gen. Tran Van Quang, described as deputy chief of the North Vietnamese general staff. In the supposed briefing, Quang is quoted as saying Hanoi held 1,205 American prisoners on that date, more than twice as many as were released in Operation Homecoming when the U.S. role in the war ended a few months later.

Revelation of that document caused a sensation last spring and reinforced the arguments of family and veterans groups who have urged retention of the trade embargo on grounds that Vietnam has lied about the prisoner issue.

But for the 1,205 figure to be correct, the intelligence analysts concluded, "we would have to assume that 669 Americans actually survived, were captured and were transported to an unknown prison system. This is highly implausible, not only because of the lack of evidence of a secondary prison system, but also because investigation has verified that virtually all of those

who had been declared KIA/BNR were indeed killed as reported."

The Senate vote Thursday followed hours of sometimes passionate debate Wednesday afternoon.

The basic argument was this: Would lifting the trade embargo encourage Vietnam to continue making remains, documents and artifacts available to U.S. teams searching for those still missing, or would it remove all leverage and reward Vietnam even as it continues to avoid telling the truth?

But in a larger sense, the debate was about whether the war is finally over or not. Kerry argued that more than half of Vietnam's 70 million people are under the age of 24 and had nothing to do with the war. Maintaining a U.S. trade embargo while Japan, France and other economic competitors are doing business there "is an embargo against ourselves," Kerry said.

The resolution, attached to the State Department authorization bill, does not call for establishing diplomatic relations with Vietnam or sending an ambassador. That step appears to be years away, even if the trade embargo is lifted soon.

Among the senators who joined McCain and Kerry in voting for the resolution were Sam Nunn, D-Ga., chairman of the Armed Services Committee, and John W. Warner, R-Va., the committee's second-ranking Republican; Barbara Mikulski, D-Md., a longtime supporter of veterans' groups; John Glenn, D-Ohio, a former Marine Corps officer; and Nancy Landon Kassebaum, R-Kan., a former member of the Senate Select Committee on POW-MIA affairs.

Yeltsin Defends New Regime

By Lee Hockstader

THE WASHINGTON POST

MOSCOW

Russian President Boris Yeltsin, in his first public comments following the departure of leading reformers from his cabinet, defended his new government Thursday and insisted he has not abandoned plans to remake his country.

In a statement released by his press office, Yeltsin said he intends to use his considerable powers under the new Russian constitution to "firmly defend reforms and ensure stability and the continuation of the democratic course." The president dismissed criticism that the new government would gut his reforms as "excessive dramatization."

Yeltsin's spokesman, Vyacheslav Kostikov, reinforced the president's message Thursday, declaring that if there is even a partial return of old-style command economics, "the president will nip this tendency in the bud."

The Russian leader's remarks appeared to respond to mounting fears, both inside Russia and in the West, that the new Russian government will implement back-to-the-future policies that will roll back the free market advances of the past two years.

Yet what remained unclear was whether Yeltsin is losing control over his own government, or whether he has made a calculated strategic retreat in the wake of last month's parliamentary elections, in which pro-reform parties fared poorly.

As usual, there were few clues about Yeltsin's thinking. He has appeared in public seldom during the past several months and issued only occasional and laconic communiques. Rumors of his drinking, his ill health, his despondency and his

detachment are part of Moscow's daily scuttlebutt. Some of Yeltsin's advisers, such as state television chief Alexander Yakovlev, have told him in the strongest terms that he must explain himself and his intentions to the nation, often. Yeltsin has not heeded their advice.

Ella Pamfilova, former minister of social protection who quit Jan. 16 to protest the shift in government, said she met with Yeltsin on Wednesday to formally tender her resignation. "The president appeared to me to be suffering and lonely," she said on Russian television Thursday. "My God! How few people there are on whom he can lean."

Pamfilova's remarks are part of a growing chorus of doomsayers. Critics as varied as the U.S. director of central intelligence, Yeltsin's dismissed chiefs for finance and economics, Western economic advisers and leaders of former Soviet republics on Russia's periphery have all warned of dire consequences should the new Russian government change course.

Yeltsin's comments came a day after Finance Minister Boris Fyodorov resigned in anger, accusing the new government of carrying out an "economic coup" led by "red managers." He said the economic management of the country was now in the hands of "a cabinet of lifeless and incompetent state planning ideology."

Fyodorov was replaced by his deputy, Sergei Dubinin. Dubinin is well regarded as a technocrat, but is thought unlikely to be able to play as dynamic a role in the government as Fyodorov. He also will not have the rank of deputy prime minister that Fyodorov enjoyed.

Along with former economics chief Yegor Gaidar, who quit Jan.

16, Fyodorov was regarded as the most prominent champion of the free market in the cabinet. While a number of reformers remain in the upper echelons of the government, none is as regarded as so high-profile, well-connected or energetic as Gaidar and Fyodorov.

There are already signs that the new government, led by Prime Minister Viktor Chernomyrdin, will abandon free-market practices and renew massive subsidies to bloated and inefficient state factories and farms. Chernomyrdin has spoken of "non-monetarist" methods of controlling inflation, which critics have taken to mean price controls. His agriculture minister has spoken of pumping billions of dollars in subsidies into ailing farms and agricultural enterprises beginning this year.

Such a spendthrift policy might temporarily blunt complaints from workers who have not been paid full salaries lately and managers whose perquisites have been squeezed by the tight money policies of recent months. But in all probability, the rapid printing of money needed to resurrect Russia's wasteful farms and vast, dilapidated industrial base would also lead to inflation well beyond the 1993 rate of around 900 percent. Critics including Fyodorov and CIA Director R. James Woolsey predict such a course would spark social upheaval in Russia's already unstable political climate.

A leading pro-reform bloc in the Russian parliament urged Yeltsin Thursday to fire Chernomyrdin. But Yeltsin, for the time being at least, appears to have given his prime minister virtual carte blanche. Chernomyrdin, 55, a former boss of the Soviet oil and gas industry, has shown in many statements that he is no friend to reform and no student of economics.

Deputy Attorney General Resigns

Pierre Thomas
and Michael Isikoff
THE WASHINGTON POST

WASHINGTON

Philip B. Heymann, the Justice Department's second-ranking official, announced his resignation Thursday, citing a lack of "chemistry" with Attorney General Janet Reno and differences in their management styles.

Deputy Attorney General Heymann's surprise departure comes at a time when a number of high-level positions remain unfilled at the Justice Department, prompting congressional criticism that the Clinton administration has left too many critical positions vacant more than year into office.

It also follows mounting complaints from both within and outside the department over what critics described as Heymann's lack of managerial skills and inability to follow through on key department initiatives, including the crime bill and review of mandatory minimum sentences.

"The attorney general has concluded that our operational and

management styles are too different for us to function fully effectively as a management team at the Department of Justice," Heymann wrote in a letter sent Thursday to President Clinton. "That is a judgment I share."

Reno said that no successor had been picked and Heymann will remain in office until a replacement is found. Pressed about whether Heymann had been fired, Reno praised Heymann's contributions to the department and said during her weekly news conference: "I think we reached a mutual agreement."

But department officials said Thursday that the personality clash between the all-business, no-nonsense Reno and the professorial Heymann had been building for some time and appeared to be the driving force behind the move.

Increasingly, at staff meetings, there was evident tension between the two. Reno felt Heymann "didn't understand" her directives to him. At one session, a department source said, when Heymann sought to restate a point Reno had just made, she snapped at him: "No, that's not

what I meant."

Reno, agency sources say, conducts business in a volcanic style, arriving at meetings with lists of new projects and assignments.

By contrast, Heymann was a cautious administrator with a more leisurely management style. "Phil's approach to things is very profound, very deliberative and measured," said one Justice Department official. "Phil likes to study things independently, and he has contributed some marvelous things."

Earlier this month, he and Reno acknowledged they "were having trouble working together," said Heymann, pointing out that he initiated the conversation.

This week their working relationship was discussed again, this time initiated by Reno. "I just said, 'I don't think it's working; what do you think?'" Reno recalled saying.

There was "no precipitating event" or "great policy differences," said Heymann, a Harvard University law professor who served as head of the Justice Department's criminal division during the Carter administration.

Clinton Urges Increased Control Of Information Superhighway

By Jube Shiver Jr.
LOS ANGELES TIMES

WASHINGTON

In a controversial new proposal, the Clinton administration said Thursday it wants to pre-empt local authority over the so-called information superhighway by broadening the federal role in overseeing cable and telephone companies and other technology providers.

In an 11-page "white paper" that fleshed out the administration's previous call for more competition in the growing telecommunications industry, Commerce Secretary Ron Brown and other Clinton administration officials called for amending the 60-year-old communications act to treat all the players alike and do away with the current disparate treatment of common carriers and

cable operators.

The administration's proposal, outlined at a Thursday morning briefing at the Commerce Department, would extend exclusive federal jurisdiction over companies that offer both cable and telephone services or other two-way, broad-band digital communications services.

Currently, telephone companies are regulated as so-called common carriers by both state and federal regulators. By contrast, cable TV operators have no obligation under federal or state law to provide unfettered access to anyone with the means to pay to transmit communications.

As big companies like US West, Bell Atlantic, TCI and Time Warner rush to modernize the nation's electronic information highway, the

administration also hopes to ensure that the information can travel seamlessly to and from homes, libraries, schools, businesses and government — creating an easily accessible information highway rather than a proprietary one suitable only for specialized use.

Brown said that the administration's goal was a reform package "that is both pro-business and pro-consumer." He added that the administration is hoping to get its proposals attached to existing legislation before Congress rather than offer its own package.

But he acknowledged that the administration's proposal could "make states profoundly unhappy," and stressed that the administration is flexible.

U.S. Joins Allies to Urge U.N. to Impose Trade Ban on Haiti

LOS ANGELES TIMES

WASHINGTON

The Clinton administration, joined by France, Canada and Venezuela, is expected to urge the U.N. Security Council early next week to impose an almost airtight ban on trade with Haiti, substantially toughening a petroleum embargo that already has shredded the nation's economy, officials said Thursday.

Officials of the United States and its three allies have concluded that the additional sanctions are needed to force the Haitian military to permit ousted President Jean-Bertrand Aristide to regain the office he lost in a bloody 1991 coup.

Although the four nations, collectively known as the "Four Friends of the U.N. Secretary-General Regarding Haiti," threatened additional sanctions more than a month ago, they have been reluctant to take the step because of the devastating effect the trade embargo is sure to have on the country's poorest citizens.

But representatives of the Four Friends, meeting in Washington, decided late Wednesday that the additional measures are required to coerce the Haitian military and its commander, Lt. Gen. Raoul Cedras, to stand aside and allow Aristide, the country's only democratically elected chief executive, to regain power.

Meanwhile, the Treasury Department's Office of Foreign Assets Control froze the U.S. bank accounts and other assets of all Haitian military officers. The names of 523 officers were added to a list of 41 individuals whose assets were frozen last October. But Treasury officials said the sanctions apply to all officers, whether or not they are included on the new list.

Reports Spread of Fraud Among Recipients of Quake Aid

LOS ANGELES TIMES

LOS ANGELES

The suspension of standard screening procedures in an earthquake food stamp program has apparently unleashed a flood of false and inflated claims for the emergency benefits, officials and applicants said Thursday.

Officials with the county Department of Public Social Services said it is difficult to say how many of the applications are fraudulent. But with only a driver's license and a simple declaration required to claim benefits — \$446 for a family of five, for example — welfare workers said they have already confirmed a few cases of fraud and fear there are many more.

Ed Tanaka, director of the county Department of Public Social Services, said he is considering increasing documentation requirements to assure that applicants meet low-income standards and come from earthquake-damaged homes. To require more information, the county must receive a waiver from the U.S. Department of Agriculture, which oversees the food stamp program.

"These lines are long and I don't like being held back because of other people's greed," said John Rogers, 36, after waiting four hours in his wheelchair outside a welfare office in the San Fernando Valley.

A disgusted man outside another office said he heard a fellow applicant discuss using his proceeds to buy drugs and others openly admitting they had suffered no damage in the quake.

Graduate Student Council

You can add yourself to the GSC mailing list. Simply log onto Athena and type `blanche gsc-students -a your login`

Welcome Back to another Fun-Filled Semester at Millitary Industrial Tech!

GENERAL MEETING
THURSDAY, FEB. 3 AT 17:30
Free Pizza and Sodas!

The Educational Studies Program is an opportunity for MIT students to learn about teaching while doing something for the community and having fun! You can design and teach a course on just about anything to high school students, or you can help out with organising people who want to teach. Contact ESP at x3-4882.



The Muddy Charles Pub now has a non-smoking section! Come enjoy America's most popular drug in air free of America's second most popular drug! Just Say No to (other) Drugs!

Funding Board forms for Spring term available at the GSC office!

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HASS-D Lottery Experiment Was Successful

As the designer of the Athena side of the new Humanities, Arts, and Social Science Distribution lottery system, I would like to respond to Daiji Takamori's recent letter to the editor [*HASS-D Lottery Is Unfair*, Jan. 19].

It is true that the January 5th cut-off for making selections would have required students to make their choices during finals if they were not returning to campus for IAP. However, because we provided selection numbers to the departments this early, they were able to add five new sections. There is a tradeoff between requiring early responses and having enough time to act on the responses; in this case, I think having 125 new seats added to the most popular classes shows that we made the right decision.

The reason for initially having two lotteries was to allow for the inevitable uncertainties of a new system. Now that the system has been proven to work, we agree with Takamori that the advantages of a single lottery outweigh the disadvantages, and consequently, in the future we will hold a single lottery on registration day. If students make their selections early enough, we will still be able to provide this information to the departments in time for them to add new sections before the lottery.

All in all, we believe the system worked very well; 1119 students of the 1206 who entered the lottery (over 90 percent) got their first-choice class. As Takamori notes, even he got the class he wanted!

(Enrollment for the second lottery, for those who did not like their initial assignment or did not enter the first lottery, remains open until noon on Jan. 27, and results will be returned by midnight of that day. To enter the second lottery from Athena, type "add hass-d" followed by "xenroll" or "enroll.")

Andy Oakland, Programmer, Distributed Computing and Network Services

Proportional Representation Not the Answer

In reading Lani Guinier's argument for proportional representation [*The Tech*, Jan. 19], I was struck by how close she has come to the classic arguments of free market advocates. Realizing the tyranny of the majority, she proposes giving a certain number of votes to each person. These are then expended as they are used on a number of rival options. Thus, the majority loses its power as it uses up its votes, while the minority may concentrate and hoard its votes to win targeted issues of great importance.

In a market system, where people "vote" with their dollars, the wealthy are likewise

forced to expend their money in order to purchase goods in the marketplace. As they do so, they are left with less money to compete with those who have hoarded it for certain important issues like attaining the basic goods required for life. Replace 10 votes with 10 dollars and the proportional voting system becomes almost a market voting system.

The only problem with Guinier's system is that the number of votes allocated remains fixed. While the minority gains some power, they will be doomed to only winning those fewest issues of greatest importance because the majority will always have more votes from the start. The market addresses this problem by granting more dollars to each person who produces better or cheaper products for the whole. Thus a very resourceful minority can build up "votes" in the marketplace by "voting" wisely in ways that produce more for the whole. Better still, the folks who didn't gain "votes" still win as there are better products for the whole to partake of.

Supporters of proportional representation should concur that the best vehicle for minority empowerment is in fact a free marketplace of both products and ideas. Resolute support of the Bill of Rights and limitation of government intrusiveness will go a lot farther towards that end than new voting schemes.

Vernon Imrich G

LA Quake Displays Need for Mass Transit

By Anders W. Hove

ASSOCIATE OPINION EDITOR

When most of us think about big government, we conjure up images of some dark, smoky room where fat, ugly Washington pols would gather to figure out the best way to screw their constituents. Well I've got news for you. Looking for big government? It's right under your tires.

In 1956 Congress passed the Interstate Highway Act. The Interstates had been promoted by an irresistible array of interests, including the automobile, steel, tire, asphalt and cement industries. Because the new roads would link almost every city of over 50,000 people, the bill had the support of almost everyone in Congress. It is significant that the largest public works project in the history of government was proposed by a republican president, Dwight Eisenhower. Under the provisions of the 1956 law, 41,000 miles of divided, limited access, multi-lane highway were laid down. Hundreds of thousands of people worked, and still work, to make sure that middle class constituents in almost every congressional district have somewhere to drive their cars. Government poured more concrete than would be needed to build Los Angeles hundreds of times over.

By building the Interstates, government twisted the free market in several important ways. Of course, no private firm has ever constructed a freeway. But before the government began subsidizing automobile firms and trucking companies by building their roads for them, the country did have a perfectly viable transportation system: the railroads and streetcars that had driven the economy for fifty years. Private corporations - the railroads - somehow managed to ship both goods and people all around the country in a timely and efficient manner. People in many towns used to set their clocks by the whistle of a train. By 1970, almost all commercial passenger lines had gone out of business, and so had a number of key freight lines. The government became worried that its freeways would put the railroads out of business altogether - so worried, in fact, that it got into the railroading business itself. Fruit is now shipped from LA to Boston

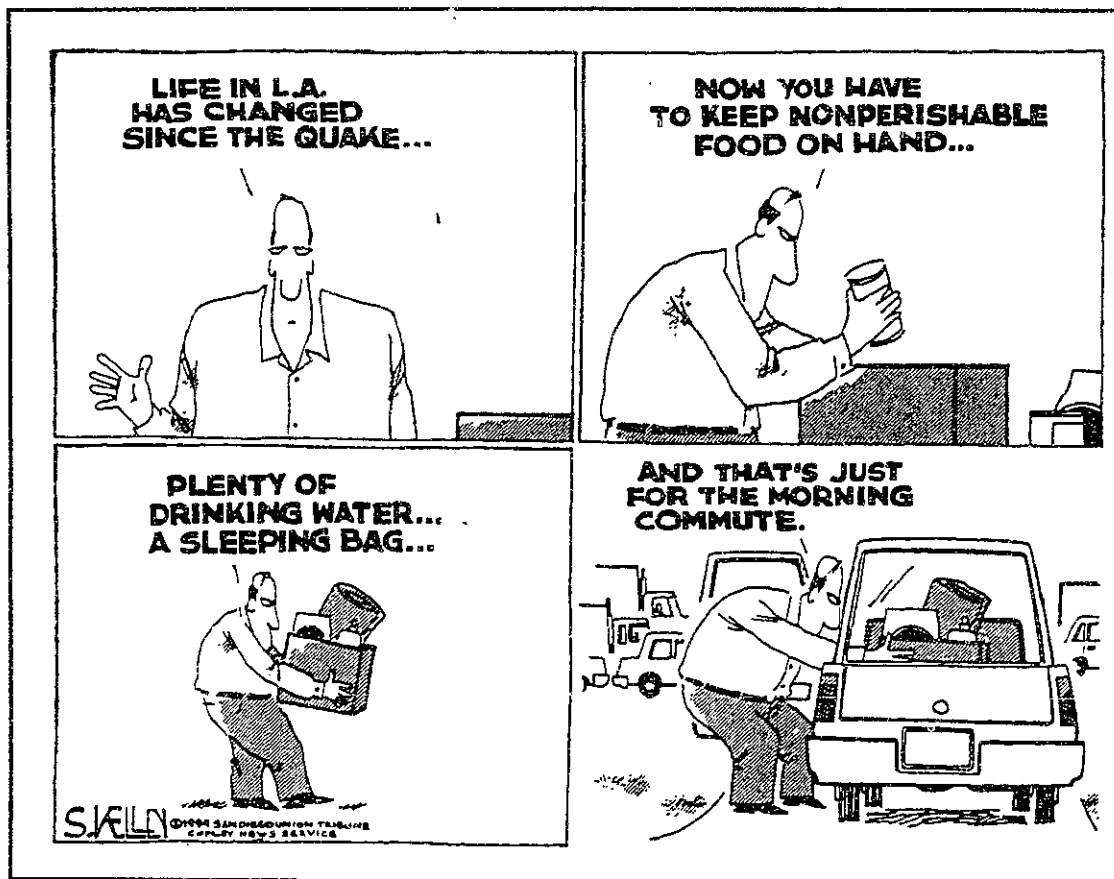
on government trains; the Conrail tracks are right over here by Vassar Street.

Government did not run private transit out of business on its own. In 1925 General Motors began its campaign to drive American streetcar lines out of business. It succeeded in buying up and tearing out streetcar lines in such cities as Portland and New York. In 1938, GM, Standard Oil, and Firestone Tire & Rubber formed a subsidiary called "Pacific City Lines" to dismantle lines in San Jose, Stockton and Fresno. In 1943 the same three companies bought out the tracks in 19 more cities, including the "Big Red" line in Los Angeles. In 1949 a federal grand jury indicted GM for criminal conspiracy in the "Big Red" case, and threatened further legal action. Nevertheless, GM managed to rip out over 100 streetcar systems nationwide by 1950. By the time antitrust investigators could go to work, the deed was done. American mass-transit was dead.

There is no question that freeways changed the way we live today. Instead of staying rooted in close-knit central cities, wealthier residents fled to the suburbs that sprung up all along the new ribbons of concrete, taking their tax dollars with them. Since most of the city's money followed this "white flight," malls, office and industrial "parks" were also thrown up near interstate on ramps. Inner cities became ghettos inhabited only by those too poor to flee. What economic activity remained was suppressed by the high taxes needed to sustain the services that the central cities performed for their poorest citizens, and to continue building new freeways on the fringes. Soon the suburbs themselves became intolerable, and the flight to "exurbia" began, driving the need for more pavement, and still more cars.

Urban sprawl is so endemic today that it would be ridiculous to suggest discarding our

Hove, Page 5



Opinion Policy

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Letters and cartoons must bear the author's signatures, addresses, and phone numbers. Unsigned letters will not be accepted. No letter or cartoon will be printed anonymously without the express prior approval of *The Tech*. *The Tech* reserves the right to edit or condense letters; shorter letters will be given higher priority. Once submitted, all letters become property of *The Tech*, and will not be returned. We regret we cannot publish all of the letters we receive.

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Gun Control Legislation Ineffective In Reducing Crime

By Michael K. Chung
OPINION EDITOR

The recent passage of the Brady bill puts a five-day waiting period on the purchase of firearms. The time is to be used to do background checks on persons purchasing guns. If the buyer is found to be a convicted felon, mentally unstable, or otherwise dangerous, the gun will not be sold to him.

Also, this time is alleged to reduce the chances of "passion crimes" and suicides by providing a "cool-down" period for the would-be assailant. However, waiting periods for gun purchases are ineffective in reducing violent crime, and in no way attack the root of the problem.

Perhaps the most significant statistic in analyzing criminal gun use is the result of a 1985 Justice Department study. According to this report, "only 21 percent of felons' handguns were obtained through retail channels."

If background checks are done, this figure will certainly decline as criminals who might ordinarily purchase guns from legitimate sources change their shopping habits. On television news, gang members across the nation commented that if background searches are put into effect, then there will still be numerous sources available to obtain guns on the black market.

The underlying premise of nearly every type of gun control is that crime will be reduced. This is not necessarily the case. Gun control inevitably delays the purchase of a weapon by honest people who need a gun for self defense. Sometimes extreme circumstances require quick response. For instance, several years ago, a serial killer was on the loose in Gainesville, Florida. Naturally, people who wanted to defend themselves chose to do so, be it with guns, knives, or baseball bats.

A 1985 National Institute of Justice report by professors James Wright and Peter Rossi found that "the armed citizen or the threat of the armed citizen is possibly the most effective deterrent to crime and the nation." More than 1,800 prisoners were interviewed, and it was found that "85 percent agreed that the 'smart criminal' will attempt to find out if a potential victim is armed; 75 percent felt burglars avoided occupied dwellings for fear of being shot; 53 percent did not commit a specific crime for fear the victim was armed, and 57 percent of 'handgun predators' were scared off or shot at by armed victims."

Many acts of violent crime, including rape and robbery, have been prevented through effective and proper use of a firearm. According to "Gun Rights Fact Book" by Alan Gottlieb, handgun use in self-defense was the best

prevention against crime (66 percent rate) from results of Chicago robberies in the 1970s.

However, it is true that victims have used guns incorrectly: for instance, shot someone without proper justification, shot to kill when not necessary. It is therefore logical that anyone who purchases a gun should have his entire family go through a gun education and handling seminar series.

Whether the "rules of the family gun" are taught within the household or by an authority, it is vital that those around a gun know how it is to be used. Such programs surely would be an effective way of promoting gun safety and awareness, and a better use of public funds than paying for background checks.

The simple fact is that criminals will find a way to commit crimes. While it is a sound idea that background checks be made to determine whether a person is trustworthy of owning a gun, they do not justify the vast amounts of effort and money required to establish an effective system.

If an implemented system were ideal, the results would be obtainable instantly. This means that gun dealers or police stations would have established databases and advanced computing systems. In emergency cases, police officials would have authoriza-

tion to allow gun purchases if the usual route of procedure is blocked.

However, if this ideal system were in place, criminals would become aware of it and obtain their guns elsewhere. In the unlikely case that all firearms in the world were confiscated, they would use different weapons or even fabricate their own guns.

There is little evidence that gun control is effective in curtailing crime. In fact, in the 1960s, New Jersey and Hawaii implemented strict gun control laws only to see murders, rapes, and robberies soar by staggering amounts - up to 326 percent over the following five years. Therefore, implementation and maintenance of waiting periods and background check equipment will cost large amounts of time, money, and taxpayers' money, only to result in an essentially useless network.

Such resources would be better used in punishing convicted criminals more severely so that further crime is prevented, as "60 percent of violent offenders were rearrested for a felony or misdemeanor," according to James Wootton, president of the Safe Streets Alliance in Washington, DC.

Imposing a waiting period and raising license fees for gun dealers will be ineffective in reducing violent crime in the US.

Focus Must Shift Toward Providing Public Transportation

Here, from Page 4

national freeway system. But what would happen if all those freeways were to simply disappear? What would today's policy makers do if they had to start all over again, only without the wide-open space that surrounded most cities before 1950? As post-quake Los Angeles indicates, some changes would be made.

According to the Department of Transportation, it will be more than six months before LA's five severely damaged freeways can be rebuilt. Meanwhile, some lucky commuters may avoid the automotive gridlock. Transportation Secretary Federico Pena visited the city on Tuesday to inaugurate a new 84-mile commuter railway connecting Lancaster and Palmdale with downtown Los

Angeles. 15,000 people went to work on the new trains on their first day of service. The instant success of the line is even more incredible when one considers that it was built in four days, stations and all. Officials of the California Transportation Authority simply borrowed private freight lines and purchased a few passenger cars on cheaply - a simple matter compared with the billions of dollars it will take to rebuild those collapsed freeways. The ease with which the line was opened begs the question: Why don't we build more such lines?

Californian policy makers had been working on rail-transit long before last week's quake. In 1991 eager Angelenos packed the city's newly opened 114-mile "Metro Link," built entirely with public funds. Though fares were high, the system took an estimated

40,000 cars off the roads "per peak traffic period." The \$1 billion price tag on a complete, 450-mile system shocked some; while others made price comparisons with construction on the valley's freeways. The cost issue was driven home in 1992, after the completion of the 10-mile, \$10 billion "Century Freeway." When the new route opened, transit authority officials announced that no major freeway would ever be constructed in the greater Los Angeles area again.

Massachusetts officials made a similar announcement in the 1960s, after proposals for a concrete corridor linking Beacon Hill and Needham were scrapped even after the groundbreaking. Instead the already bulldozed route was planted with trees. Roxbury Community College was constructed at what would have been an interchange. With the

Century Freeway, it seemed that policy makers in another U.S. city had learned their lesson.

Federal lawmakers have yet to learn. This year Congress appropriated \$305 million for transportation "demonstration projects." Most of those projects, according to *Congressional Quarterly*, demonstrated nothing more "than the ability of a new or larger road to carry more traffic." Meanwhile Congress spends about \$15 billion for construction and maintenance on federal and state highways. Only \$4.5 billion goes to mass transit. There is still nothing a Member of Congress enjoys more than cutting the ribbon on a new, federally-funded freeway.

Boston stopped building new freeways in the 1960s, Los Angeles in the 1990s. Now who will stop the feds?

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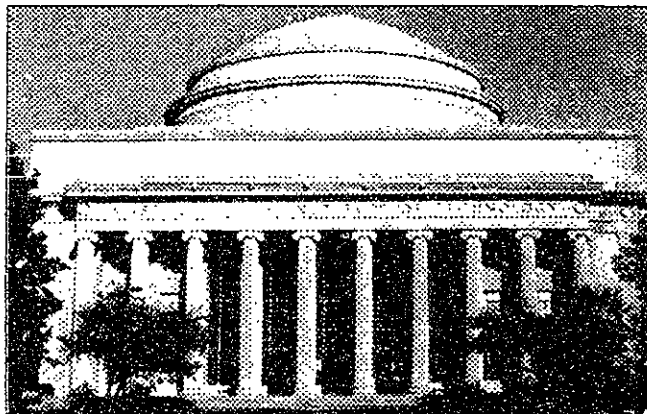
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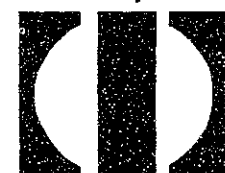
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THE ARTS

Kronos is chamber quartet with a hard edge

KRONOS QUARTET

Bank of Boston Celebrity Series Concert.
Saturday, Jan. 22.
Jordan Hall.

By Mark Messier

SPECIAL TO THE TECH.

Image may not be everything to the Kronos Quartet but it certainly counts for a lot. Since the Quartet's inception in 1973, the twice-Grammy-nominated chamber group has often seemed to market itself more as a rock band than a string quartet. Asserting their individual personalities with leather boots, flashy shirts, and in one case an elegant gown, the members of Kronos present a distinctly urban edge which carries over into their music.

The Quartet has aggressively developed a completely contemporary repertoire commissioning works from composers all over the world. The range of this repertoire is vast, including more conventional works by Shostakovich, Webern, and Barber; minimalists such as Terry Riley, Steve Reich, and Phillip Glass; to less likely sources like Charles Mingus, Howlin' Wolf and Jimi Hendrix. How many other quartets possess the ability and attitude necessary to go from the rapid, violent stylistic and dynamic shifts of hard-core composer John Zorn to the intensely introverted pitch explorations of Morton Feldman's 80 minute Piano and String Quartet?

Thus one could say that the program presented at Jordan Hall on Jan. 22 as part of the Bank of Boston Celebrity Series was typical Kronos. None of the pieces on the program was more than a year old, and the five composers came from around the globe: two Americans and three representatives of former Soviet States from Uzbekistan, Russia, and Azerbaijan; three women, two men.

The program opened with Dmitri Yanov-Yanovsky's Chang Music IV. This is the fourth in a series of works for various instrumental combinations inspired by the traditional Chang percussion music of the composer's native Uzbekistan.

Yanov-Yanovsky was the youngest composer on the program and his music was also some of the freshest. The only piece on the program to use no electronics, Chang Music IV exploited the extended techniques available to Kronos. From the long eastern-inspired glissandi of the meditative introduction to the shimmering high harmonics of the violins, the opening section contrasted the string-quartet-turned-percussion-ensemble that introduced the second theme. Rapping the bodies of their instruments with their fingers, the musicians displayed their uncanny rhyth-

mic sense executing Yanov-Yanovsky's intricate and witty rhythmic combinations.

Like many post-minimalists, Yanov-Yanovsky has rejected both serialism and minimalism, drawing upon ethnic sources for his harmonic and rhythmic vocabulary. High violin tremolos gradually asserted the opening texture, bringing the piece to a conclusion.

From the youngest composer, the program shifted to its most experienced. Although extremely thoughtful, Sofia Gubaidulina's Quartet No. 4 also contained some of the least satisfying passages in the first half of the program.

As they would throughout the night, Kronos took advantage of dramatic lighting effects for this piece. From complete darkness the piece opened with a snaking quaver on tape. The Quartet's entrance seemed an attempt to recreate this effect, as all the players rapidly bounced their bows off their strings. This moment highlighted what kept the piece from working: although the Gubaidulina explored many interesting textures, including a Bartok-esque canon, sections calling for the use of mallets to pluck the strings, etc., she failed to connect these sections, making them seem almost arbitrary.

The music was not entirely inelegant, however. The final minor sonorities of the piece, accented by a truly inspired sparse lighting of the organ in Jordan Hall, effected an impressively imperial mood before the piece faded into the darkness from which it had emerged.

The gem of the program proved to be Lois Vierk's River Beneath the River. Written in what the composer described as "exponential form," the piece employed a wide variety of textures and harmonic areas to gradually and continually develop a single musical idea. Rhythmically this piece was the most intense, layering complex figures one on top of the other while still clearly articulating a constant, driving quarter note pulse. As the piece drove "exponentially" to its climax, fraying more than a few bow strings, the tension of the opening phrases was uncorked as the process creating the music snowballed inevitably towards its end.

Franghiz Ali-Zadin's Mugam Sayagi concluded the first half of the program. Before the piece, while they were tuning, the members of the Quartet left the stage one-by-one, leaving the solo cello in the spotlight. The swooping cello ostinato was joined by the viola from off-stage, gradually adding violins I and II. Simulating guitar feedback with raucous double stops, the cello called the players back to the stage. Musical fragments darted across the Quartet as if at the tip of an artist's brush in a virtuosic display of the complete ensemble.

Drawing mostly upon material from Indian classical music, Ali-Zadin brought together many elements effectively, including a ballet-like second theme, electronic effects such as added reverberation and a taped Tamboura part, vocal effects, percussion parts, and cello lines verging on hard blues. As the piece wound down the players again left the stage, leaving the solo cello alone — a ghost of the opening strains.

The second half of the program was dedicated to Lee Hyla's setting of Allen Ginsberg's Howl. With Ginsberg himself reading his own work on tape, the Quartet's role was somewhat ambiguous. Hyla wanted to "have the music emerge from the poem/reading and then, as the piece evolves, have the music become independent, commenting and colliding with the poem and throwing it into a variety of textural reliefs." However, it worked in just the opposite sense. While the Quartet stayed in step with Ginsberg's reading, both the music and the reading were garbled as they competed for the same space.

As the Quartet's role changed, Ginsberg's incessant drawl became more distinct. Gradually the poem dominated the piece and the music became almost distracting as Ginsberg generated an impetuous pulse with his Whitman-inspired lists, and dramatic relief with his wit. Overall the music seemed inconsequential, and made the piece on the whole harder

to understand, sending more than a few in the audience to the exits.

Those who left, however, would surely regret having done so if they knew what they'd missed. Breaking the barrier that had distanced the musicians from their audience all night, first violinist David Harrington introduced the encore as "the only thing we have that could follow Howl: Michael Doriety's Elvis Everywhere." Incorporating a male Elvis impersonator, female voice, and honky-tonk baritone saxophone on tape, the Quartet boogie-woogied through an irreverent and eclectic shuffle that was part Vegas review and part free jazz.

Though the effect was hysterically humorous, causing the audience to laugh out loud, Kronos executed the piece with the same intensity and precision as every other piece on the evening's program. The Quartet let the voices on tape acknowledge the audience and say good-bye. "You've been a great audience, thank you very much," Elvis said before we were told, "Elvis is leaving the building. Right about now, Elvis is leaving the building. Elvis has left the building. ..."

Upcoming events in the Bank of Boston Celebrity series include the Lincoln Center Jazz Orchestra with Wynton Marsalis, at Symphony Hall on Jan. 28 and Art Garfunkel at Symphony Hall on Feb. 13.



The Kronos Quartet will perform at the New England Conservatory.

Setlist produces mixed results for jazz ensemble

FESTIVAL JAZZ ENSEMBLE

International Association
Of Jazz Educators Conference.
Sheraton Boston Hotel.
January 13, 1994.

By Christopher Chiu

In a sense, musicians can be divided into two groups. On one side there are performers who will never play new compositions. These performers are content to simply play old warhorse tunes that are well known and have been critically acclaimed for the past millennium. This is especially true in the Classical world, where there are literally hundreds of pianists who specialize in playing pieces of only a single composer, or perhaps a certain period. On the other side are performers who put their talents to another use. While they may play a few reliable standbys once in a while, they are much more progressive. They believe in the growth of music, and will dare to play pieces that are fresh, new, and interesting. Not everything that is new is good, of course, but in the name of progress they serve an important role in the music world.

The MIT Festival Jazz Ensemble lies in the second of these two spheres. For three decades or so, this group has premiered many pieces from new (and in some cases unknown) composers, with little fanfare. Their performance on Thursday continues in that vein; it was the opening performance at the International Association of Jazz Educators Conference. To their credit, their setlist was rather progressive; some of the pieces were written recently by composers present in

the audience. However, if there were a Ten Commandments for musicians, one of them would be to choose pieces that suit the performer's skills. True, it is important for any performer to take a chance every now and then, but the key is to pick something that is within his or her limits. In their performance on the 13th, the MIT ensemble's choices violated this rule several times, thus yielding mixed results.

The problems began with their first piece, an arrangement of Ray Charles' "Rockhouse." The brass section, in part perhaps due to difficulties with the sound system, sounded cohesive but terribly harsh. This led right into the alto saxophone solo by Damon Bramble '97, which was aimless and more of a finger exercise than anything else. The rhythm section did provide excellent support, however, and the highlight of the piece came towards the end, with an excellent, incisive solo from guitarist Dan Hosken G.

The band continued with a composition by Darrell Katz that was entitled, "Variations on a Theme — Manic Depression." This was a dubious choice for several reasons. For one thing, the title itself was misleading — this composition was not a theme and variations, but a sort of medley based on Jimi Hendrix's "Manic Depression." In fact, as even the composer himself stated, only perhaps a third of the piece was composed by Hendrix — and even that part was difficult to discern. Worse still, the performance itself was muddled, as the band had serious problems keeping together and in time. Add yet another misguided alto saxophone solo from Bramble and an annoying, half-hearted, misfit guitar chord at the very end of the piece, and the result was a

huge bomb.

That was not the most disappointing piece, however. That award goes to their last number, "Blues for Red" by Jamshied Sharifi. If the band had showed poor judgment before, here it reached its climax. This piece was simply too technically difficult for the ensemble to handle. It had syncopated chorus and response sections with very demanding rhythm patterns. In this case, the band simply was not up to the task and was disorganized, so that the piece stumbled and fell to pieces. The only flashes of life were a stellar, pointilist solo from Solomon Douglas '96 on piano and a fiery soprano saxophone solo from Susan Ward G, but these turned out to be only temporary respites from utter chaos.

However, all this should not cast a pall on the entire performance. Witness "Lola," by Guillermo Klein. In this piece, the band showed welcome restraint. This was a charming tune that featured a nice blending of the saxophone section. The solos, too, were an improvement. The trombone solo by Eric Scheirer was muted and mellow — almost like a lonely old man on a park bench, waving hello. The piano accompaniment by Douglas was airy and light; perfect in that it didn't obscure the solo but played around it and complemented it. This piece showed the band in its best light, with excellent use of soloists, and interesting musical contrasts.

As if to strengthen this point, the very next piece, John LaPorta's "Crossing Time Zones," succeeded for many of the same reasons that "Lola" did. It contained two fascinating, contrasting solos by Josh Goldberg '96 on alto saxophone and Joel Johnson G on trombone;

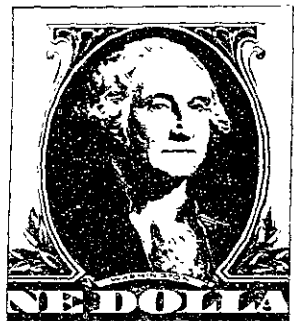
Goldberg's solo was brilliant and showed good technique, while Johnson's was less flamboyant and more melodic. The key for both solos was that they were both in context and made musical sense within the piece. The rhythm section kept the band in time, and the ensemble truly swung.

Perhaps their performance of Bob Nieske's "Teacher" was most indicative of the entire show's effect. Here again the band had serious problems with the rhythmic arrangements; the trumpets sounded incoherent and out of time. What saved the piece was yet again some superb work. Bramble redeemed himself on tenor saxophone and finally showed some of his tremendous talent. Instead of trying to play as many notes as possible, he started phrasing notes together and came up with some beautiful melodic swirls. He was joined Ali Azarbayanjani G on Flugelhorn for a duet of sorts that showed excellent intonation.

Afterwards, the listener may reflect on the facts: True, the Festival Jazz Ensemble may have overreached itself in its setlist choices. True, they may need work on staying together and in tempo. However, the dazzling array of solos throughout the performance practically kept the listener rooted to his seat. The rhythm section, especially Douglas and Hosken, played admirably with little attention from the audience (perhaps they should have been given a separate ovation!). And most of all, despite a few stumbles, the band accomplished what it set out to do: with pardons to Gene Roddenberry, it sought strange, new music, to boldly go where no musician had gone before.

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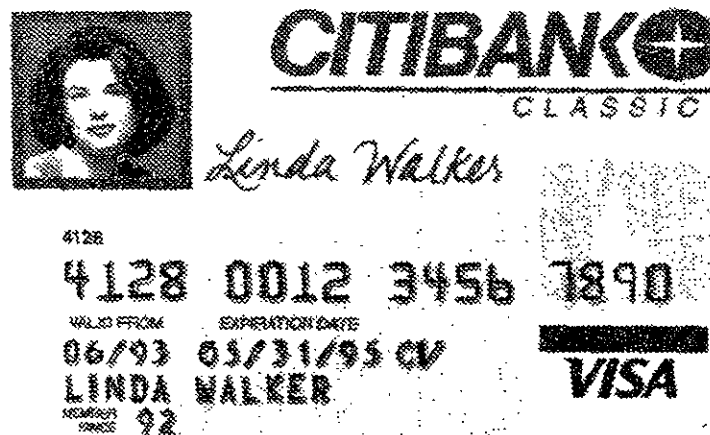


No known picture of Washington smiling exists. Economists believe Washington was unhappy because he felt he could have received a better deal on war supplies. If he used a Citibank Classic Visa card, he would have been assured of getting the best price and probably would have been happier. Artist's rendering of how he would have appeared on the dollar.

capitalize on a **\$20 Airfare Discount** for domestic flights,¹ a low variable interest rate of 15.4%,² as well as savings on mail order purchases, sports equipment, music and magazines. One might even have enough savings to reinvest in a CD or two (the musical kind, of course). ¶ On the way to the record store, or any store for that matter, take stock of the 3 services concerned with purchases made on the Citibank Classic

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Gilbert Grape provides relief from the over-sweet

WHAT'S EATING GILBERT GRAPE

Directed by Lasse Hallstrom.

Written by Peter Hedges.

Starring Johnny Depp, Juliette Lewis, Mary Steenburgen, Leonardo DiCaprio, and Darlene Cates.

Loews Nickelodeon.

By Scott Deskin

ASSOCIATE ARTS EDITOR

What's Eating Gilbert Grape may well be the most honest and original film of the year. The main character, Gilbert Grape, is plagued through much of the film by a nagging ambivalence to the problems in his life. The ways in which he eventually confronts those problems, however, are so subtly reached that the story can never be accused of plot manipulation or cliché.

Gilbert Grape (Johnny Depp) is a grocery-store clerk in tiny Endora, Iowa, constantly subject to burdens over which he has no control. He continually has to keep watch over his retarded younger brother Arnie (Leonardo DiCaprio), to keep him from climbing the local water tower, at the behest of his abnormally large mother (Darlene Cates) who draws curiosity from the locals and is a source of stress on and within the home. Gilbert's bickering sisters also worry him, for as the only fully lucid male of the household, he receives most of the responsibility (and the blame) when something goes awry.

Gilbert's otherwise mundane existence is enlivened by friendships with Tucker, a handyman who views the opening of a new Burger Barn in Endora as a major career advancement opportunity, and Bobby, son of the local undertaker who constantly laments the fact that business is poor (i.e., no one is dying). Gilbert also is romantically involved with Betty Carver (Mary Steenburgen), the bored housewife of a slightly overbearing insurance salesman, who views Gilbert as an outlet for her unfulfilled sexual desires. But these elements in his life tend to mire him further within his paltry existence rather than liberate him from it.

That's where newcomer Becky (Juliette Lewis) enters the story. Becky, like her grandmother who accompanies her into town, is a



What's Eating Gilbert Grape stars Johnny Depp (center) as Gilbert, Juliette Lewis as Becky, and co-stars Leonardo DiCaprio co-stars as Gilbert's brother, Arnie.

drifter. She takes an interest in Gilbert after her grandma's motor home breaks down, and opens Gilbert's eyes to his hidden ambitions in life. When Becky's free-spirited thinking sets Gilbert's otherwise inertial character into motion, the elements in his world start, ever so slightly, to come unglued. First, when the police take Arnie to the police station after one-too-many ventures up the water tower, Momma Grape is forced to assume the responsibility of freeing her son from jail. And the ordinarily cheerful Mrs. Carver loses composure when Gilbert informs her of a

prior commitment: she expresses disappointment in him because she thought he would "always be there" for her.

What's Eating Gilbert Grape would be an unqualified success if not for the tendency of the story to introduce too many screwed-up lives and eccentric characters. But the skill of the actors and the underlying buoyancy provided by director Lasse Hallstrom (*My Life as a Dog*) give the characters credibility. Depp and Lewis are fine, but Leonardo DiCaprio's performance as Arnie Grape lends a certain levity and poignance to an otherwise quirky

tale. DiCaprio (who received a Golden Globe nomination) does not portray the mentally-challenged Arnie as a the root of family dysfunction nor as a character we feel sorry for, but as a person who is loved by his family for who he is, not for what he isn't.

In short, *Gilbert Grape* is a film that tries to be different as a family drama and succeeds, largely due to the DiCaprio's inspired performance. In a season of overly-sweet holiday fare and weighty cinematic statements, *What's Eating Gilbert Grape* is a welcome change of pace.

TAX INFORMATION WORKSHOP FOR GRADUATE STUDENTS WHO ARE U.S. CITIZENS OR PERMANENT RESIDENTS **

Sponsored by the Dean of the Graduate School Office
Massachusetts Institute of Technology

WEDNESDAY, FEBRUARY 16, 1994
3:00-5:00 PM
ROOM 54-100

Topics will include:
RA and TA stipend and tuition awards
Graduate Fellowship stipend and tuition awards
Withholding and quarterly estimated taxes

There will be presentations by Dr. Frank E. Perkins, Dean of the Graduate School, tax lawyers from Palmer & Dodge, and tax specialists from MIT.
A question-and-answer session will follow.

IF YOU CANNOT ATTEND THIS WORKSHOP, TAX FORMS WILL BE AVAILABLE AFTER FEBRUARY 16, 1994 IN THE DEAN OF THE GRADUATE SCHOOL OFFICE, ROOM 3-138. If you have questions, please contact Jackie Sciacca, Tax Workshop Coordinator, or Kara Provost, Assistant to Ms. Sciacca, at (617) 253-1958, Room 3-134A.

****NOTE:** There will be a separate tax workshop for INTERNATIONAL STUDENTS:
Friday, February 11, 1994, 3:00-5:00 pm, Room 34-101.
For more information, please contact the International Students' Office at 253-3795.

Velez Tried as Adult; Sentenced to 18-20 Years Prison

Velez, from Page 1

When Raustein started to get up, McHugh fatally stabbed him between the ribs. The three youths then fled. Campus police officers arrived soon after and unsuccessfully tried to resuscitate Raustein using CPR. He was pronounced dead at Massachusetts General Hospital at

10:05 p.m.

Velez then stated that he agreed with the prosecution's account.

Earlier, Velez had given testimony for the prosecution in the trials of McHugh and Donovan, who were convicted of first degree murder and two counts of armed robbery each. In exchange for his testimony, Velez pleaded to receive a lesser

charge of manslaughter and two counts of armed robbery.

McHugh, who was tried as a juvenile, was sentenced to 19 to 20 years in prison Oct. 7. Donovan received a life term in prison Oct. 18.

Jill Reilly, spokesman for the Middlesex County District Attorney's office which prosecuted all

three of the defendants, said that the District Attorney's office was "comfortable with the way [the sentencing] worked out."

At Velez's sentencing, his attorney asked the judge to consider that Velez was only 18 years old at the time of the crime and had no previous criminal record.

Velez appeared visibly distraught as he read a brief statement prior to receiving the judge's sentence. "I stand here to admit my

wrongdoing and take the consequences for my actions," Velez said. "There is no way to know when one's actions will result in a death," he said. "I make no excuses, and don't try to blame others, for what I did."

After the sentencing, Justice Barton, who also presided over the Donovan trial, spoke to Raustein's parents, who were in the courtroom. "If I had the power, I would really bring your son back," Barton said.

If you belong to a student organization at M.I.T. you may be eligible for financial assistance from The Coop.

In an effort to direct a portion of its budget to social service projects involving M.I.T. students, The Coop Board of Directors' Charitable Contributions Committee is currently soliciting applications from recognized and well established student organizations for modest grants of cash or materials, with a limit of \$500. To be considered for financial support, please send us a letter describing your organization, your budget and your financial needs, along with the names and phone number of a contact person. Send your letter of application to the following address by February 19, 1994. Grants will be awarded by March 19, 1994.



Mr Allan Powell
Charitable Contribution Committee
The Coop
1400 Massachusetts Avenue
Cambridge, MA 02238-9103

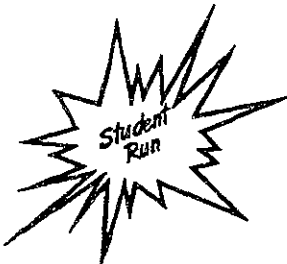


Alfredo Velez is lead away by his lawyer after sentencing.

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Complex storylines bungled in *Blink* broth

BLINK

Directed by Michael Apted.

Starring Madeleine Stowe and Aidan Quinn.

J. Michael Andresen
ARTS EDITOR

Just as too many cooks can spoil a broth, so can too many subplots ruin a movie. *Blink* tries to deliver a heartwarming tale about a woman struggling to rediscover herself, a passionate love story, and a gripping murder mystery plot all at the same time. Unfortunately, it fails on all three counts on what is an intriguing, if unnecessarily complex, story line.

Madeleine Stowe is Emma, a violinist for the alternative band The Drovers, who was blinded in childhood by an abusive mother. She regains her sight following eye surgery. Though her vision remains very blurred, she sometimes gets a clear "flashback" of something she had actually seen the day before. It is in this sort of flashback that Emma witnesses a serial killer escaping the scene of a murder.

She goes to the police, but they don't

believe her because she is still mostly blind. When Detective John Hallstrom (Aidan Quinn) is assigned to the case, however, he has no choice but to believe that she actually did see the murderer. He struggles throughout the movie to protect Emma from the murderer, who knows he was seen, and to find this man before he strikes again.

If this was the only plot, then the film might have worked. As it is, the two subplots hamper the execution of the murder mystery. Emma's struggle to deal with self-image problems that go along with regaining her sight is given some attention at the beginning of the movie, but is not mentioned again. A female reporter does a feature on Emma's story, and during the interview Emma keeps looking from the reporter to her own body. Having no concept of what constitutes beauty, Emma asks the reporter, "Are you pretty?" Unfortunately this self-examination never reaches a conclusion.

Emma also works through feelings she has for the mother who blinded her as a child of five by smashing her face into a mirror. While this makes way for some frightening halluci-

nations, it is neither very well introduced nor dealt with in any way. It is merely presented as an added detail.

The love story is also inadequately developed. It starts out as a triangle of sorts between Emma, John, and Emma's ophthalmologist. John wins out easily, though, and we never really learn why. They go out for coffee once and the next day end up in bed together, madly in love. There is almost no development whatsoever.

We plod through these subplots to finally reach the climax of the mystery, which was also disappointing. Good mysteries are made by good criminals, and the bad guy here was anything but that. His motive for the serial killings was interesting, but he himself was rather insane. Somehow, mysteries are more satisfying when there is an evil and devious criminal masterminding the whole affair. Giving the honors to an idiot diminishes this satisfaction and makes one wonder how he could have gotten away with everything so easily.

Blink does have its moments, though. It gives an introspective look into what it is like to be blind. When Emma first gets back to her

apartment after regaining her sight, she stumbles up the staircase that she probably successfully navigated hundreds of times while completely blind. When she gets back to her room, she turns the television on, only to find a fuzzy screen of snow: she had been able to listen to the television before, unaware of the lack of picture. One particularly interesting insight is made when a friend inquires about what it's like to have sex when blind.

The technical aspects of this movie are impeccable. The scene when Emma first opens her newly restored eyes is amazing. The sequence from total blackness to a dizzying array of lights and images is terrifying, much like it might be to someone regaining sight for the first time after 20 years. The few shots of the eye surgery itself were fascinating as well. Throughout the film, Emma experiences mutating hallucinations/flashbacks that come off effectively on the screen.

The music by The Drovers (an actual band, apparently) was also quite nice. The group was appropriately showcased as they performed almost all of the music for the film.

ON THE SCREEN

— BY THE TECH ARTS STAFF —

★★★★: Excellent
★★★: Good
★★: Average
★: Poor

★★★ Grumpy Old Men

The only person John Gustafson dislikes more than Max Goldman is the tax collector who periodically shows up at his front door. John and Max (Jack Lemmon and Walter Matthau) are neighbors who seem more chilled by each other's presence than by the bitter Minnesota weather they live in. Their 56-year rivalry burns icily fresh when the vivacious, sensual widow Ariel Truax (Ann-Margaret) moves into the house across the street from them. Not even the point of a frozen fish nose can cool the jealousy between these grumpy old men, whose childish antics delight and inspire all who have ever thought of getting even. —Ann Ames. *Loews Copley Place*

★★★★ In the Name of the Father

Daniel Day-Lewis offers a riveting portrayal of a young man named Gerry Conlon who is convicted, along with friends and family, of an IRA bombing of a British pub in 1974. The film addresses the grave injustice that the British government dealt the Conlons, but it uses the relationship in prison between Gerry and his father Guiseppe (an excellent Pete Postlethwaite) to carry the film's message of hope and redemption. Director Jim Sheridan's pro-Irish bias provides an effective retaliation against England's tendency to make Ireland a scapegoat for the IRA's actions. And Emma Thompson gives a solid performance as the lawyer who struggles to bring freedom to the Conlons. Quite simply, it ranks as one of the best films of 1993. —Scott Deskin. *Loews Copley Place*

★★★ Mrs. Doubtfire

After a messy divorce, Daniel Hillard (Robin Williams) will do anything to see his kids again. His plot involves becoming a woman. As Mrs. Doubtfire, he manages to turn around his life and the lives of others. Williams' hilarious performance and a few touching scenes make up for a dismal beginning and much run-of-the-mill slapstick. —Craig K. Chang. *Loews Cheri*

★★ The Pelican Brief

Julia Roberts is a law student who has created a legal brief which details her ideas on

who recently murdered two Supreme Court justices and how it relates to the president. Denzel Washington is a reporter for the *Washington Herald* whom Roberts contacts when her lover and his friend are killed after they see the brief. Roberts is near perfect, and she plays the stressed and paranoid student to the hilt. Washington is convincing — playing the determined reporter who will stop at nothing to get a story. The strength of the film is in how it is able to carefully develop its plot and keep the audience's attention until contents of the brief are revealed at the very end. —Patrick Mahoney. *Loews Cheri*

★★★ Philadelphia

Hollywood's film "about" AIDS is really about discrimination and human dignity. Tom Hanks is the HIV-positive lawyer who alleges he was fired from his prestigious law firm because of AIDS discrimination, and Denzel Washington is the homophobic lawyer that agrees to take his suit to court. The film's power lies in its message, but at times it suffers from Jonathan Demme's heavy-handed direction, mistaking stilted sentiment for raw emotion. Still, the performances of Hanks, Washington, and a fine supporting cast carry the film to a near-triumphant conclusion. —SD. *Loews Cheri, Loews Janus*

★★★★ Schindler's List

Director Steven Spielberg triumphs in this historical drama about Oskar Schindler (Liam Neeson), who was responsible for saving the lives of more than a thousand Jews during the Holocaust. Shot almost entirely in black and white, the film takes you to the Poland of the late 30s and early 40s. Neeson is great, carefully portraying the slow change from a man who only cares about money to one who cares only about saving lives. Ben Kingsley perfectly plays Itzhak Stern, Schindler's Jewish accountant who cunningly sidesteps Nazi officials. Ralph Fiennes portrays the unswervingly-loyal Amon Goeth, the Commandant of the Nazi labor camp. Through Fiennes the audience is able to witness the hatred, brutality, and widespread death. Overall the movie is incredibly powerful and brings to light one of the darkest periods of human history. —PM. *Loews Nickelodeon*



John Gustafson (Jack Lemmon) and Max Goldman (Walter Matthau) are best enemies in *Grumpy Old Men*.

Join *The Tech Arts Staff*!!!!

If you would like to review books, films, plays, art, music (especially classical and jazz), dance or even something we haven't thought of reviewing yet, stop by our offices in room 483 of the Student Center on Sundays around 6 pm.

Sander carries brilliant, complex *Faraway, So Close*

FARAWAY, SO CLOSE

Directed by Wim Wenders.

Starring Otto Sander, Nastassja Kinski, and Willem Dafoe.

Coolidge Corner Theater.

BAD BEHAVIOR

Directed by Les Blair.

Starring Stephen Rea and Sinead Cusack.

Harvard Film Archive.

Jan. 29, 30.

By Jeremy Hylton

CHAIRMAN

The beginning of Wim Wenders' new film *Faraway, So Close* is dizzying. Wenders' camera flies across the top of East Berlin and begins to circle the Angel of Victory statue. The camera moves in closer and closer as it spins faster and faster around the Valkyrie-like head. Suddenly a man is standing between the head and wing of the giant warrior.

It is a moving and beautiful sequence. As the background of the city blurs into a confusion of motion, Cassiel (Otto Sander) stands serenely in the foreground surveying the chaos. And then he jumps, and flies through the city.

Faraway, So Close, you see, is about angels. The sequence captures the timelessness of angels that Wenders tries to convey; as the world spins by at dizzying speeds, angels stand serenely by and watch. Two of those angels are Cassiel and Raphaela (Nastassja Kinski), surveyors of post-Cold War Berlin. They move through the city and watch their

human charges, but can make contact with them only in dreams.

The opening scenes of the movie shot in a luminous black and white show Cassiel struggling against the boundary between men and angels. Cassiel moves, seemingly at random, from place to place, watching Konrad (Heinz Ruhmann) an aged chauffeur tinker with his 50-year-old cars, or Hanna (Monika Hansen), a working single mother, care for her sick, young daughter Raissa (Aline Krajewski), or stands behind Mikhail Gorbachev (as himself) pondering the world's future.

There is an odd, but intriguing dynamic at work in these scenes: Cassiel longs to make contact with these people, and Sander captures perfectly the terrible sadness Cassiel's distance generates; his face, mouth betray no emotion, but his eyes ache. At the same time, Cassiel watches so intently that it is hard not to be uneasy. Is this guy an angel or a voyeur?

There doesn't seem to be much plot in these early scenes, until Cassiel the watcher is joined by another spy, a man (Rudiger Volger), who watches Cassiel's charges. Just as this complication starts to develop, though, Raissa falls off the balcony of her 10th-floor apartment. Cassiel is forced to act, and in an instant, he is standing on the ground below with the child in his arms — and the movie is now in color. He has given up his serene, angelic existence for the colorful, fast-paced life of a human.

Sander is again wonderfully expressive as a man-child learning what it is like to be human. Sander navigates an enormous emotional range, capturing Cassiel's absolute joy at seeing the world as it is (we imagine that



Cassiel (Otto Sander, left) and Konrad (Heinz Ruhmann, right) in *Faraway, So Close*.

angels see in black and white, too), and the poignancy of his separation from Raphaela. In one painful scene, Cassiel sits in a booth to have his picture taken, and he longs to be with her; the film moves abruptly to black and white and we see that Raphaela is actually there, holding him and mugging the camera playfully, but he can't see her.

The biggest change for Cassiel in the new world is his sudden concern for time. It is also one of the weak points of the script, by Wenders, Ulrich Zeiger, and Richard Reitinger. Apparently, angels have trouble getting used to time and the script tries to set up some great

Faraway, Page 13

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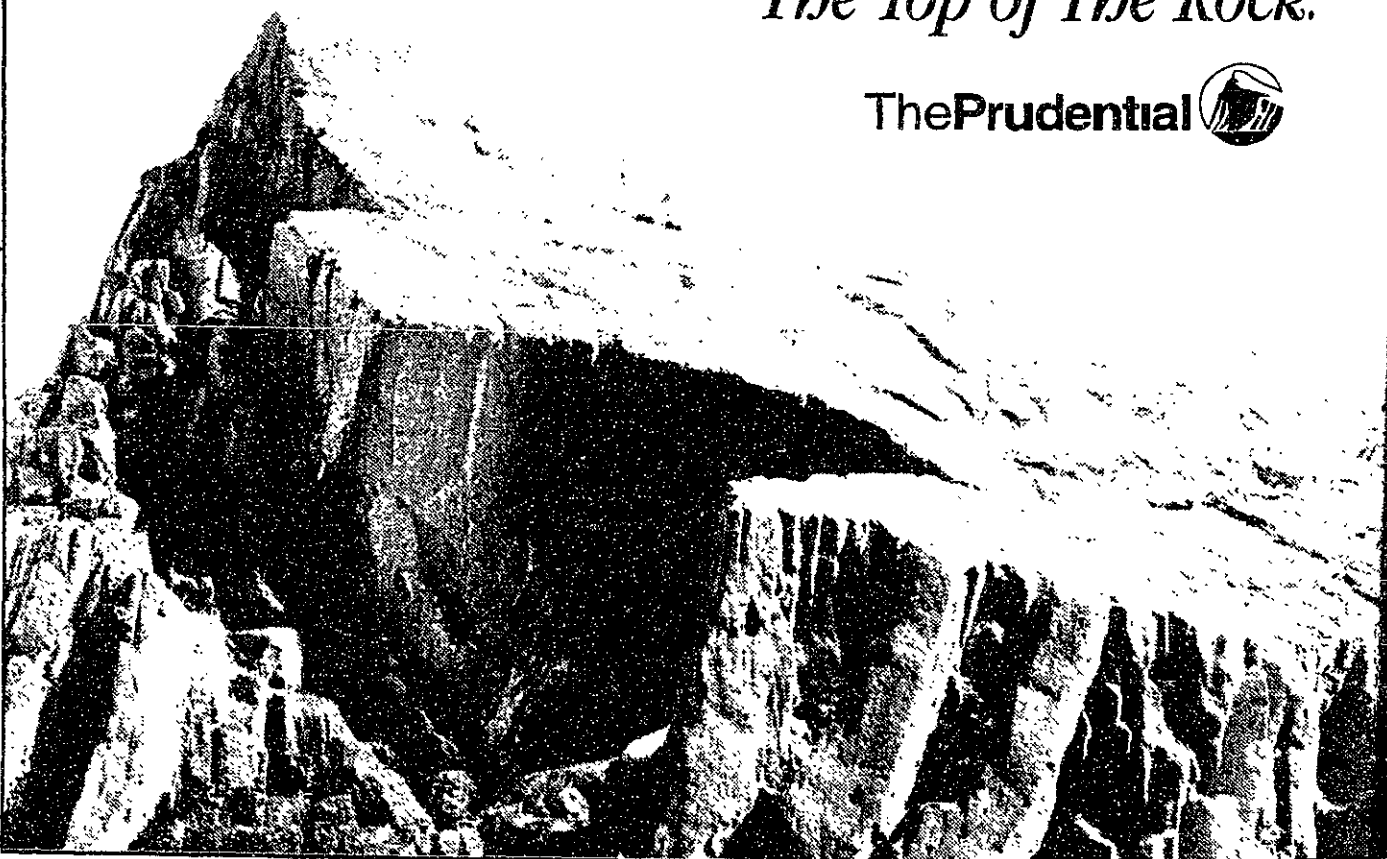
Individuals with strong math, analytical and communication skills should attend our Information Session to discover the fastest track to the top. We're also interested in talking with individuals who are considering an actuarial summer internship program. An equal opportunity employer.

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CAMPUS ARTS

JANUARY 28 — 31

Music

MIT Women's Chorale. Thursday evening rehearsals start, 7:45-10 p.m., in the Emma Rogers Room (10-340). Open to all women in the MIT/Harvard community. New members accepted until Feb. 17. For more information call Marilyn Dorsey, 484-8187.

Battle of the Bands. Signups due Feb. 10. Entry fee is \$25 per band. Forms are available in the SCC office: W20-311.

Poetry

Raising the Dead. Associate Provost for Institute Life Samuel J. Keyser reads from his recently published book. Poems in this collection revolve around conversations with his dead mother, evoking honest images of humor and sorrow.

Jan. 28, 5 p.m.—Humanities Library

Theater

Baby. Musical Theatre Guild production of the musical by Maltby and Shire.

Jan. 28-30, Feb. 3-5, 8 p.m.—La Sala de Puerto Rico

—\$8, \$7 MIT Community, \$5 MIT/Wellesley students

—Information: 253-6294

The Foundling (or A Basket of Ham). The Gilbert & Sullivan Players present and original comic opera inspired by the works of Gilbert and Sullivan, written by Mary A. Finn '81 with a score by Robert Weingart.

Jan. 29, Feb. 4 & 6, 8:30 p.m.; Jan. 30, 7 p.m.—Walker Dining Hall

—Information: 253-0190

Visual Arts

List Visual Arts Center:

20 Ames St., T/Th/F—12-6; W—12-8; Weekends—1-5; closed holidays

—Information: 253-4680

Dan Graham: Public/Private. American conceptual artist Dan Graham uses film, video, performance, architectural models, and glass and mirror structures to engage the viewer in recognizing the physical, psychological, and social interactions that occur within public and private spheres.

Maria Fernanda Cardoso: Recent Sculpture. Colombian artist Maria Fernanda Cardoso creates elegant Minimalist-inspired sculpture from materials exotic to a North American audience and addresses cross-cultural communication, particularly as it relates to the presentation and interpretation of art, as well as the often-charged relationships between humans and other species.

Jan. 15 through March 27

Museum Exhibits

Compton Gallery:

Weekdays 9-5

—Information: 253-4444

Sculptures and Paintings by David Bakalar. Thoroughly grounded in the sciences, with advanced degrees in physics from Harvard and physical metallurgy from MIT, Bakalar's iconographic works are created with emphasis on high technology in both materials

and technique.

Jan. 21 through March 4

Strobe Alley:

—Information: 253-4444

Optical Alchemy. Full-color fluorescent photographs of corals and anemones by Charles H. Mazel SM '76, a research engineer in the Department of Ocean Engineering, taken at night during underwater dives. Matched pairs of images offer a comparison between the subject under "normal" reflected-light photography and under illumination with ultraviolet light. (Ongoing)

Hart Nautical Gallery:

55 Massachusetts Ave.; Weekdays 9-8

—Information: 253-5942

Course 13, 1893-1993: From Naval Architecture to Ocean Engineering. Exhibition includes historic photos, models, and computer graphics, and highlights a sampling of current research including that performed by the department for Bill Koch's '62 successful America's Cup campaign with *America3*. (Ongoing)

Boston Fisheries 1900-1920. Photographs documenting Boston's T Wharf area.

MIT Museum:

265 Massachusetts Ave., Tues-Fri 9-5, Sat-Sun 1-5

Requested donation: \$2.

—Information: 253-4444

The Works of Charles H. Woodbury. After several years on tour, this major retrospective

of the oils, watercolors, etchings, and drawings of artist/teacher Charles H. Woodbury returns to the MIT Museum.

Crazy After Calculus: Humor at MIT. The history of MIT "hacks."

Doc Edgerton: Stopping Time. Photographs, instruments and memorabilia documenting the invention and use of the strobe light by the late Harold E. Edgerton ScD '27.

Holography: Types and Applications. Scientific, medical, technical, and artistic imaging drawn from the work of the Spatial Imaging Group at the Media Lab.

Light Sculptures by Bill Parker '74. Vivid interactive light sculptures, each with its own personality and set of moods.

Math in 3D: Geometric Sculptures by Morton G. Bradley Jr. Colorful revolving sculptures based on mathematical formulae.

MathSpace. Hands-on exploration of geometry is the theme as visitors tinker with math playthings.

** All events free unless otherwise noted **

If you would like your MIT arts event to appear in future listings, call Ann or Michael at 3-1541 or send e-mail to aris@the-tech.mit.edu.

Don't miss Rea, Cusack in Bad Behavior

Faraway, from Page 12

significance for this difference, but succeeds only in making the issue of time a confusing mess. Great significance must be invested though in Willem Dafoe's character Emit Flesti ("time itself" backwards, in case you weren't hit over the head with it).

Flesti is some kind of supernatural figure, able to speak to angels and men at once, and the foil to Cassiel. He makes several efforts to end Cassiel's human life; in one scene, he introduces Cassiel to booze, sending him into a long decline of drunkenness and misery.

After some nights sleeping on the street, getting thrown out of a Lou Reed concert, and holding up a few small stores with a gun he finds, Cassiel is rescued from his drunken stupor by a sleazy businessman, Tony Baker. Baker takes on Cassiel as his man servant, and a strange mutual respect develops between them, strange because Cassiel doesn't see the underhanded side of Baker. After Cassiel saves Baker's life, Baker offers to let him in on a piece of the business, which unfortunately for Cassiel is a mix of pornography and arms dealing.

Baker, fully revealed, stands for everything Cassiel became human to stop, and Cassiel flees Baker to re-think his mission as a human. At this point in the film, Wenders starts to draw together the network of loose ends he has left over the course of the film. He turns the film away from the beautiful, rambling tale of Cassiel coming to terms with humanity. In the last half-hour or so of the film, Wenders builds connections between Konrad, Hanna and Raissa, Baker, and a host of other characters Cassiel has met, including Peter Falk as himself, tying the whole package up in a whiz bang finale.

The ending is incredibly strained. Wenders can't decide what kind of movie he is making and at times the final minutes seem grafted onto a wholly different earlier film. Wenders had the same trouble with the brilliant, but uneven *Until the End of the World*, which changed midstream from chase movie to a reflection on dreams and solipsism.

Despite the contrived ending, Wenders and Sander both give brilliant performances that more than compensate for the script's problems. Behind the camera, Wenders has an enchanting visual style, and makes good use of a soundtrack including songs by U2, Nick Cave, and Jane Siberry.



Cassiel (Otto Sander), left, has his first drink as a human with Emit Flesti (Willem Dafoe), as Marion (Solveig Dommartin) looks on in Wim Wenders's new film, *Faraway, So Close*.

On the screen, Sander is left to carry the film, appearing in nearly every scene, and he succeeds masterfully. Kinski is beautiful, but rather bland, and Dafoe plays his usual sleazy, villainous character without any real distinction. Ruhmann, as Konrad, is touching, and wonderful in the few scenes he is in.

Two words of warning: The movie is long, two hours and 20 minutes, and is in German with subtitles.

Though I wouldn't make a habit of reviewing movies that are going to close the same weekend the review is published, *Bad Behavior* playing Saturday and Sunday at the Harvard Film Archive demands at least a brief exception. The movie, starring Stephen Rea and Sinead Cusack as a couple going through their mid-life crisis, is absolutely brilliant. If you have to change your plans to see it, then change them.

The movie was developed by director Les

Blair for a two-page treatment he wrote without any dialogue. Blair had the actors work for several months before filming developing their characters. The result is a set of wonderfully real and lived in people.

Gerry and Ellie McAllister (Rea and Cusack) and their two sons Joe and Michael (Luke Blair, Joe Coles) are an Irish family living in a London house with a bathroom that needs some fixing up. Gerry works in the city planning office; he's a curmudgeon, he doesn't ever seem to comb his hair, and he likes to work secretly on comic strip-like drawings of himself and his wife. Ellie is a frustrated housewife, who spends part of her day running a book store and harbors a secret desire to be a novelist.

The movie picks up one morning in the middle of their life and ends a short while later, still in the middle of their life. There isn't much plot to speak of, and certainly no beginning or end, but that doesn't mean Blair gives up on a warmly funny and moving story, one that captures all the highs and lows

of the McAllister's life.

There is whole host of superb supporting characters that move through the McAllister's life: There's Howard Spinks (Philip Jackson), a two-bit, slimeball real estate developer who tries to charge them bogus consulting fees, Ray and Roy (Phil Daniels), the twins who fix the bathroom, and Sophie (Saira Todd), Gerry's exciting younger co-worker. Particularly thrilling is the relationship between Sophie and Gerry, which circles around some kind of sexual attraction neither can admit; the tension, though present, is also never in danger of overwhelming Ellie and Gerry's obvious strong marriage. It's just a deliciously realistic touch.

Rea and Cusack really shine in the film, though. Gerry can be grumpy about having to walk out at night to pick up the car when Ellie drinks too much, and turn the sour-puss joke into a disarmingly caring moment. Cusack is vital and attractive, blending maturity and sensuality in a decidedly anti-Hollywood way.

Bad Behavior is superb. Don't miss it.

Senate Committee Investigates Consent in Radiation Testing

Radiation, from Page 1

the Fernald School, President Charles M. Vest asked Litster to head an investigation of the Institute's records.

Litster has not concluded his review of all the radiation tests recently discovered, but his calculations for Harris' nutrition tests indicate that the dosages involved were very small.

Litster said that the purpose of the investigation was to ascertain the amount of risk people were exposed to, and to determine the harm caused by the exposure.

"It is important to recognize that the purpose of these studies was to improve understanding of nutritional processes in order to promote the health of young people, and that the radiation exposure appears to have been well within today's limits," Vest said.

Kennedy hearing

Kennedy chaired a meeting of the Senate Committee on Labor and

Human Resources at the Fernald School. The hearing focused primarily on the issue of informed consent.

"We want to know what records exist, how great the dangers were, how much consent, if any, was obtained from the research, and how much harm was done," Kennedy said in his opening statement.

"Once we have this information, we can enact legislation to help the victims and prevent any repetitions of these abominable practices," Kennedy continued.

In the 1970s, Kennedy introduced legislation that effectively ended experimentation without the informed consent of the subjects, according to a spokesman in Kennedy's office.

According to Masse, to the best of his knowledge, no formal review policies existed at MIT in the late 1940s and 50s when the studies were done.

Litster testified that Felix Bronner PhD '52, who based his thesis on the calcium studies, found that

the Fernald School acted as a custodian for the patients and permitted them to participate.

"It was apparently customary for the physician, who allowed access to the patients, to assume responsibility for securing appropriate informed consent," Litster testified.

According to a report published in *The Boston Globe*, parents of the youths at the Fernald school were probably not told that the nutritional experiments their children would be participating in involved radioactive tracers.

Current policy at MIT requires radiation experiments to be approved by the Committee of the Use of Humans as Experimental Subjects and the Committee of Radiation Exposure to Human Subjects.

Litster said he thought Kennedy had conducted a fair hearing, considering the possibility for "things going off track."

"He was very tough with the questions he asked, but they were fair and appropriate questions," Litster said.



ANDREA MCGIMSEY

Carl West of the Society for Creative Anachronism dons his armor to test the corridor lab on capacitance in the Hayden Library on Wednesday.

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Unconventional Robot Design Not Expected to Win

Contest, from Page 1

The key to orienting within the playing environment was the robot's sensors—its sight and touch. Robots were required to emit infrared radiation calibrated with the other robot's IR sensors. Push-button sensors and switches provided input when the robot bumped into another object on the playing field.

The robots were programmed to follow instructions in Interactive C, a simpler version of the programming language C. With closed loop feedback, the robot could be programmed to react to different sensor inputs.

Other constraints included fitting inside one cubic foot and a period of play of 60 seconds. In the preliminary round, robots had to show minimum functionality, including starting and stopping at 60 seconds and orientation.

Wastoid was unconventional

The winning robot was unconventionally designed. Lerner said, "We just wanted to make the coolest-working robot. ... We had an idea that no one in the lab was close to, so that was what drove us on."

"I was very surprised it won," said Pankaj Oberoi, one of this year's organizers. "It defies the concepts you try to teach people, like making it simple. The [team members] were in my recitation, and I kept telling them to make it simpler."

Oberoi added, "The thing that made them win was the robustness of their software, which made the robot sense the other robots better. When their robot went to the other side, it would predict where the other [team's] robot was going and go the opposite way."

Wastoid's strategy was to cross over to the opponent's side, pick up foam blocks one at a time, and throw them back to its own side. Each successful block throw netted Wastoid four points. The catapult was made of rubber bands and LEGO components.

Lerner said that the team worked an average of at least 12 hours each day through the three weeks prior to the contest.

Wastoid's victory was a complete surprise to the team members. "It didn't work reliably in lab. An hour before the competition, [the robot] didn't work right once in ten tries. And then as soon as the competition started, it worked fine," Lerner said. "We told each other that we are just riding this luck."

Sanding table helped Wastoid

Lerner said that the robot did not work prior to the preliminary round,

because the table had just been repainted and was stickier, and made the calibrations slightly off. Before the rounds started, however, organizers sanded the table down smooth. Wastoid worked perfectly on this surface, according to Lerner.

"The best thing ... was hearing the crowd. There was one little boy jumping up and down in the aisles and calling out, 'Wastoid, Wastoid,'" Lerner said.

Wastoid lost only one round, but only because of a loose sensor.

The third-place team of Ellis Chi '96, Nimisha V. Mehta '96, and Jiang Zhu '96 followed a defensive strategy. Mehta said, "We were trying to get all the bottles and two foam blocks [on our side] before the other robot comes. We knocked them into a cage [on our robot]. We pulled the blocks into a space on the bottom of our robot."

Contest is student run

6.270 is a completely student-run competition. This year's organizers were: Matthew L. Domsch '94, Pankaj Oberoi G, Karsten P. Ulland '94, Sanjay S. Vakil '94, and Anne Wright.

The competition requires \$40,000 worth of component parts, of which the Department of Electrical Engineering and Computer Science allocates \$15,000. Corporate

sponsors, including the Microsoft Corp., Motorola Semiconductor Inc., LEGO Systems Inc., Polaroid Inc., and Gates Energy Products Inc. provided the money and the rest of the components. Sponsors also provided shirts and snacks to the teams.

"I think it was probably the best contest we ever had," Oberoi said. "There were a lot of different types of robots. In past years, the robots tended to be similar."

"This year was much harder than other years. It involved a lot more creativity, and made for different robots," Calderon said.

The variety of robot designs resulted from the greater complexity of the contest this year, Oberoi said. "There was no simple way to get across the other person's side. The pieces were difficult to pick up. There was no simple strategy to get a lot of points. You had to really worry about what the other robot was doing. In past years, it wasn't worth it to come across to the other robot's side. This year, we rewarded a robot that could go on the offensive strategy."

Lerner said, "At lab, everyone was working together, people were helping each other out. Most people didn't consider it a cut-throat competition. None of us had ever worked so hard in our lives."

Shah said, "It was a great experience because it was so much different from courses and lectures. Every day we would go there and work and it was fun."

Mehta said, "We learned teamwork. It was really frustrating at times, when we didn't agree on things, but then everything worked out."



THOMAS R. KARLO—THE TECH

Katherine Stratton, wife of former MIT president Julius A. Stratton, cuts a piece of cake during a celebration of her 80th birthday. The party was held in Katherine Stratton Lounge in the Student Center

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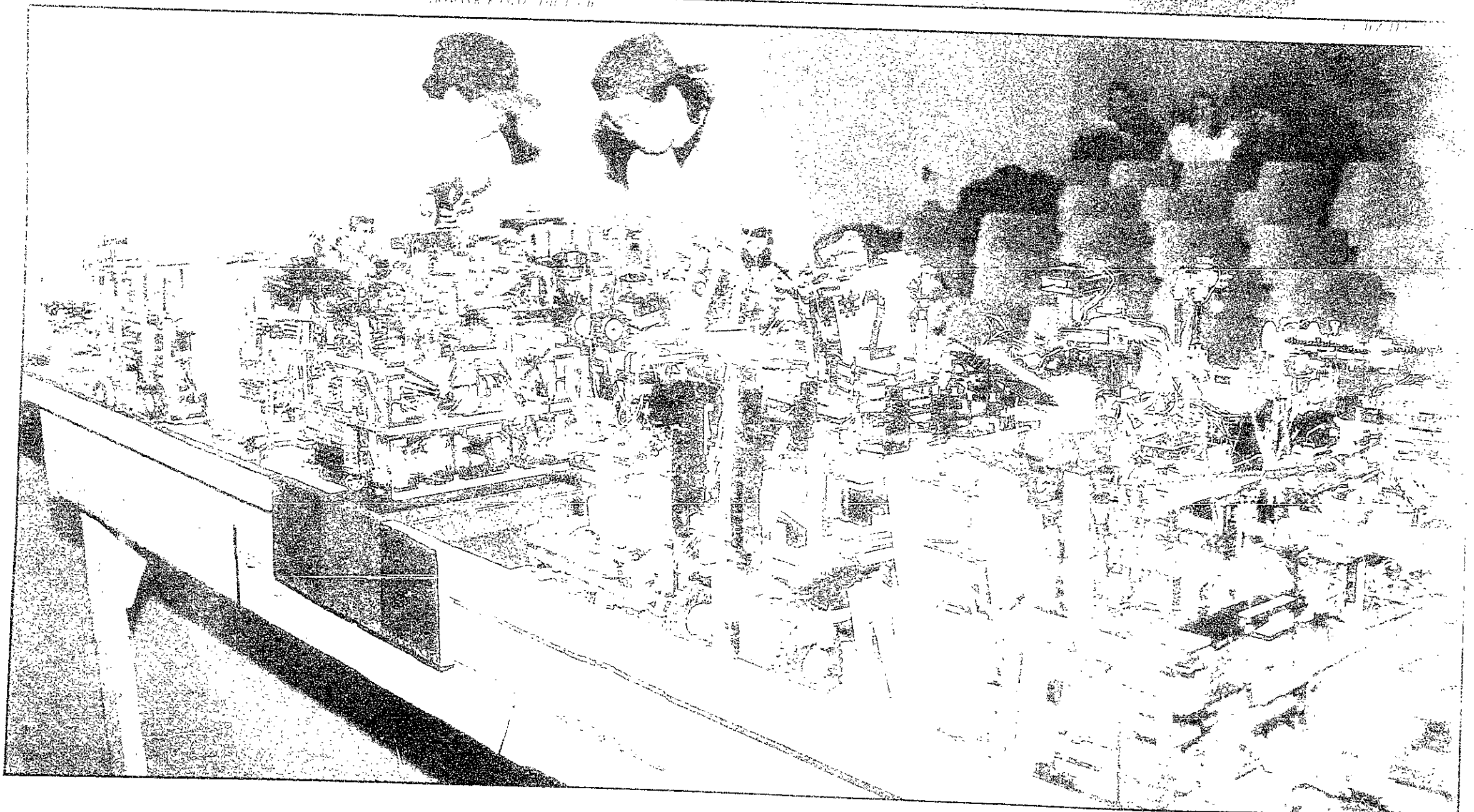
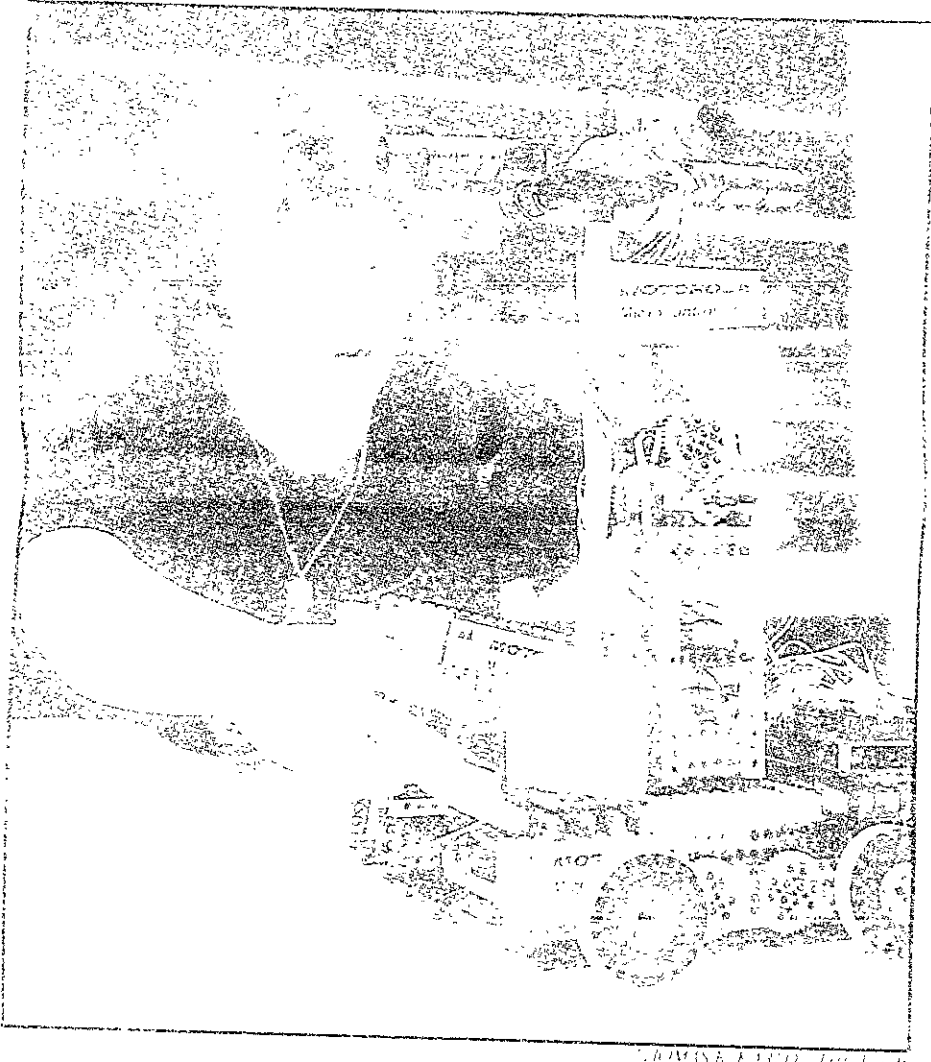
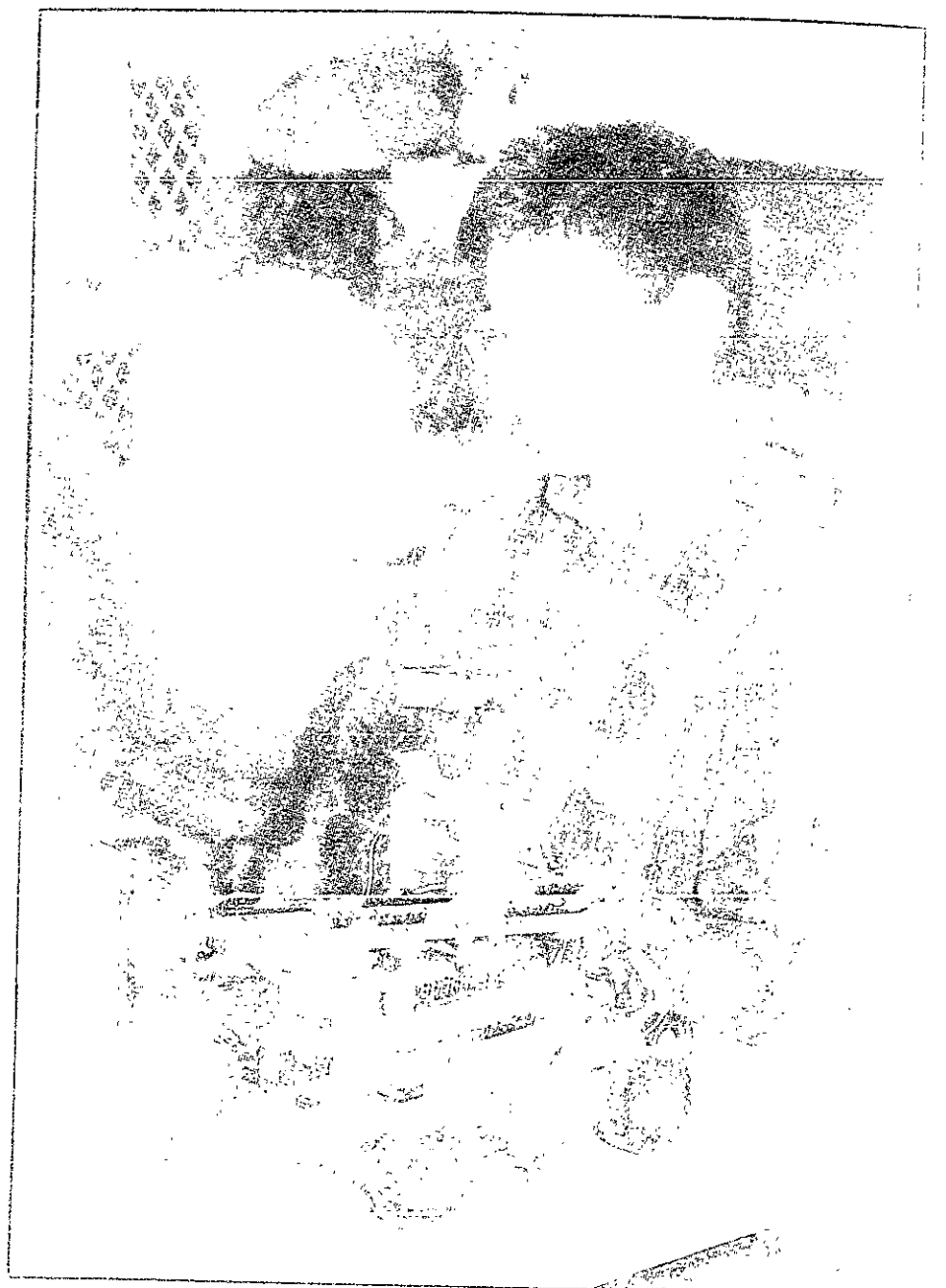
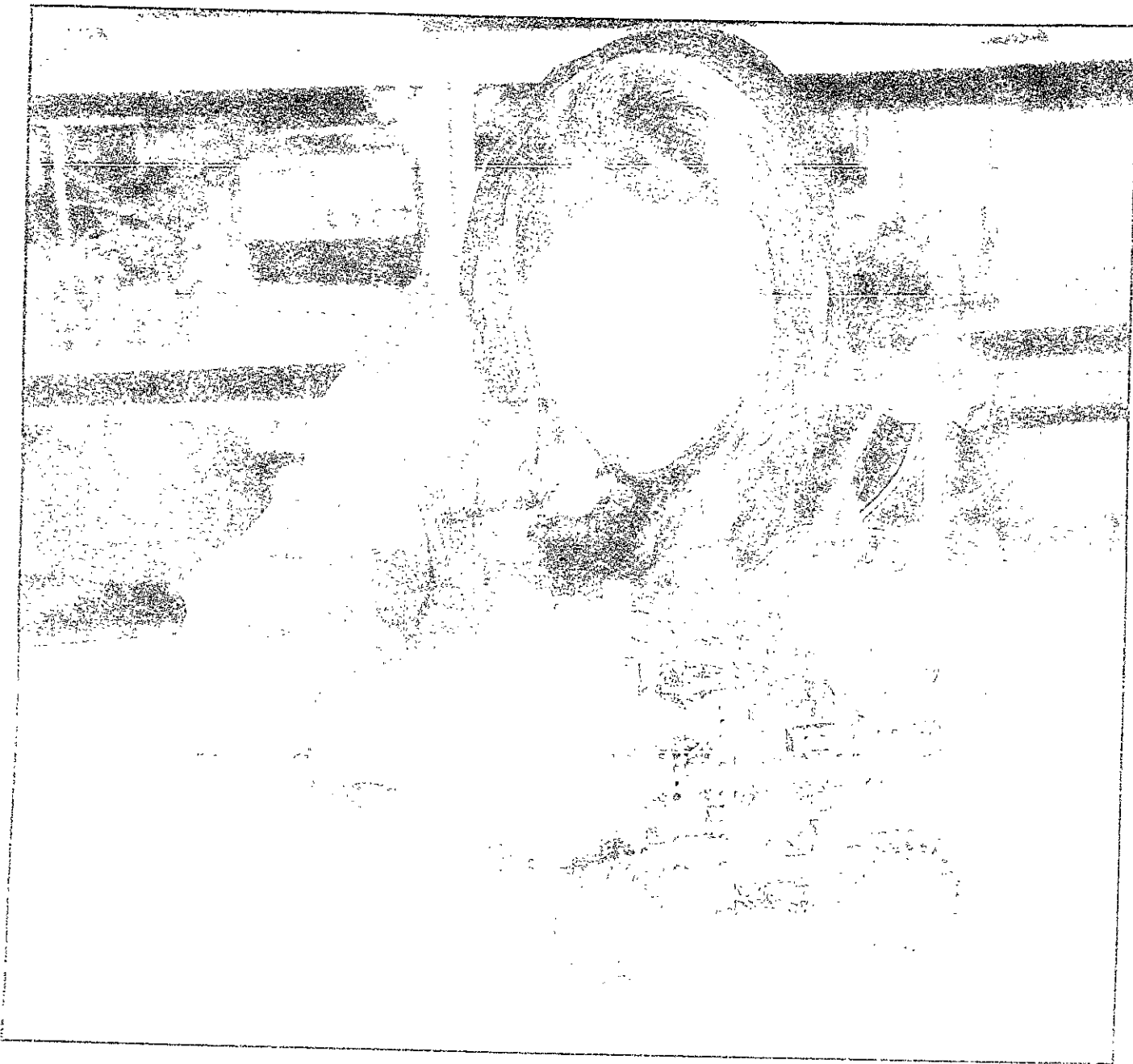
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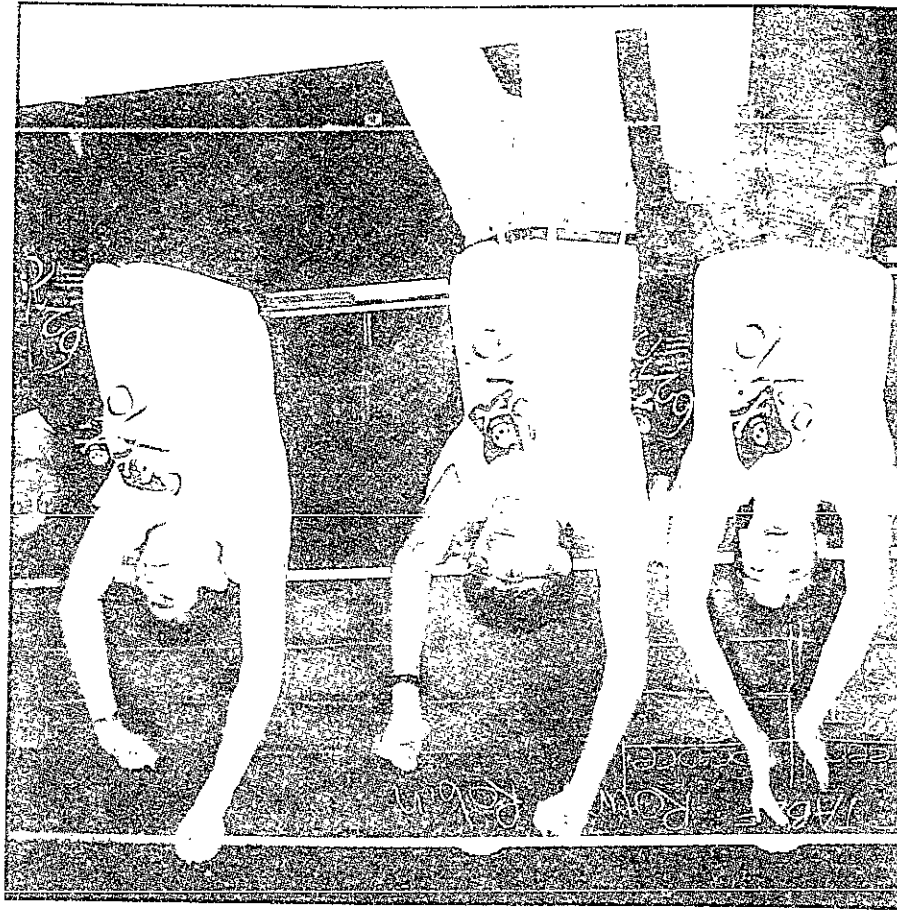
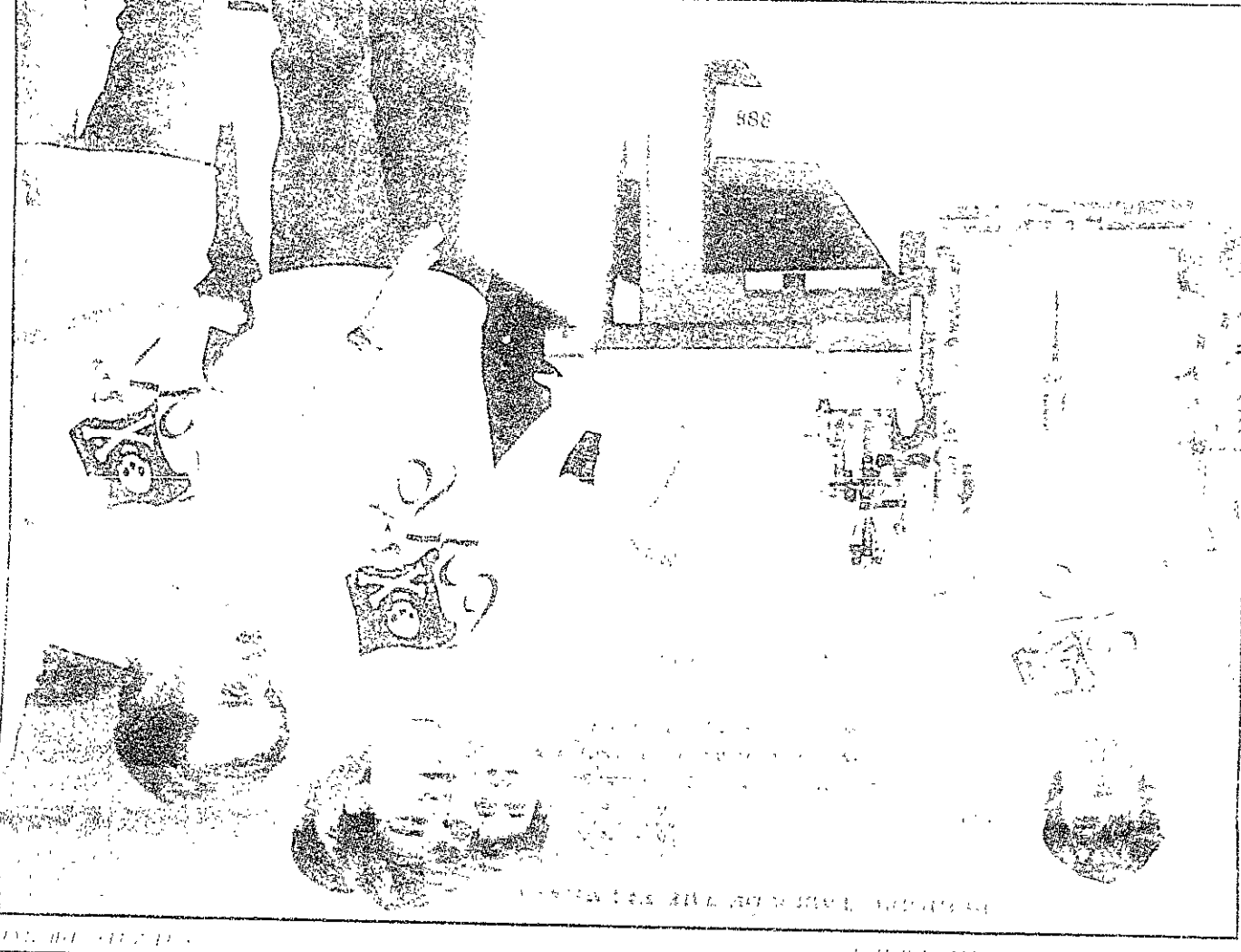
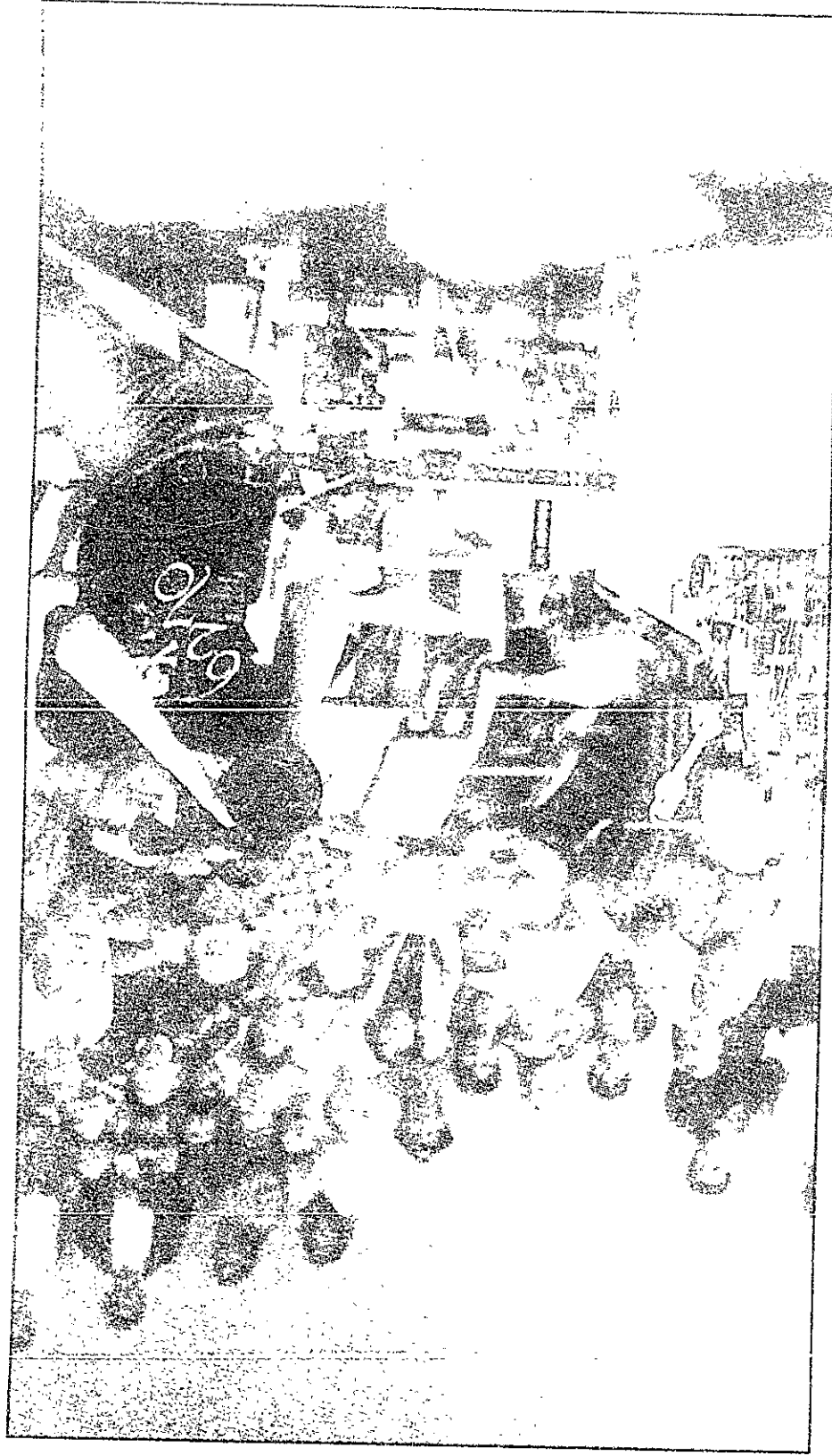
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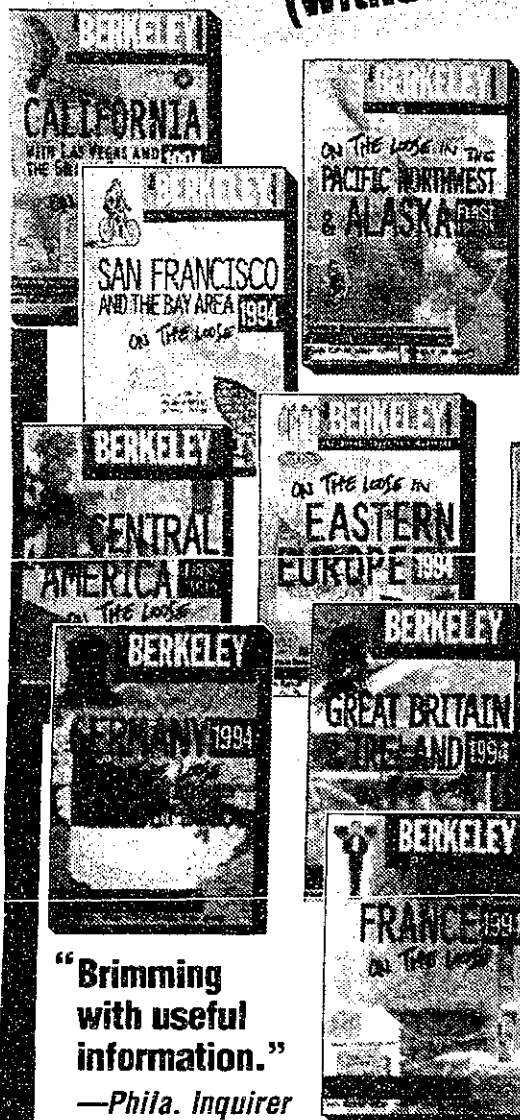
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Opposite Page:
Top Left: A 6,270 participant tests out her machine just days before the competition.
Top Right: An important part of every machine was the software that would drive the autonomous machine. Students use custom software to program their strategies.
Middle Left: 6,270 was sponsored by the Electrical Engineering and Computer Science Department, Motorola Semiconductor Inc., Microsoft Corporation, LEGO Systems Inc., Gates Energy Products Inc., and Polaroid Inc.
Middle Right: Wise contestants put their machines through rigorous tests to find weaknesses. Structural deficiencies during the second round of the competition show up in a machine, as the pirate ship falls to its death outside of its known world.
Bottom: A sea of impounded robots fill the pirates' domain of the playing fields.
This Page:
Top Left: Participants anxiously await their turn during the evening competition. Yellow-shirted pirates filled one side of 26-100.
Top Right: The winning robot, Wastoid, launches a foam block treasure chest into the air onto its side of the playing field. Extra points are obtained for enemy loot on one's side.
Middle Left: A pirate prepares her ship for a raid on the enemies across the sea.
Middle Right: Ronald Schmeizer '96 and Marc Shuster '96 of the rm 's, look on in agony as their machine fail to perform the piffing which it should undertake.
Bottom: Benjamin Calderon '96, Yishai Lerner '96, and Milir Shah '96 celebrate their successful raid on their enemy pirate. This last raid solidified their position as King of all Robot Raiders!

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SHARON N. YOUNG PONG—THE TECH

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Student Patrol/Escort To Begin Trial Period

Safe Walk, from Page 1

was wonderful," Ipri said. "Even if they took the flyer [they showed interest]. Just the publicity is what we need at this point ... and that's what's going to allow the service to work."

"Many MIT students are wary of walking by themselves at late hours," said Jonathan D. Baker G, co-chair of the Graduate Student Council Housing and Community Affairs Committee. Others mentioned that the program would be ideal for students who would normally be reluctant to ask the Campus Police or a friend to walk them home.

Safe Walk escorts will accompany students anywhere on campus, but not to off-campus fraternities or independent living groups, Porter said. The emphasis is on "safety in numbers" and the knowledge that the escorts have a direct radio link to Campus Police, Ipri said.

For off-campus destinations, Safe Walk members will escort students to the nearest Safe Ride stop, Porter added. In addition, Safe Walk zones will be restricted to areas deemed acceptable by the Campus Police. Escorts to Central Square, for example, will not be provided, since the Campus Police has recommended that students avoid this area

after dark, and providing service would put the escorts at risk.

Since Safe Walk is run by students, both Baker and Chief of Campus Police Anne P. Glavin stressed that the escort position would not be one of law enforcement, but rather one of observation and deterrence. Students are still advised to use caution when traveling at night, Glavin said.

The Safe Walk project originated from a committee sponsored by the Undergraduate Association and the Graduate Student Council. The two governments tried "to put this together as a unified student event," Ipri said. Results of a survey taken in September reflected an increasing concern with crime among students.

With close to 20 members, Safe Walk has now become an independent student activity under the faculty advisement of Assistant Dean of Residence and Campus Activities Neal H. Dorow. It is still, however, looking for new recruits.

"We're looking for gung-ho students with the right attitude," Porter said, "who can perform their duties in a nonconfrontational manner."

Students who join will be paid \$7 per hour, and may work in dispatch, or as escorts. Escorts will be given 3-hour shifts while dispatchers will be required to work on a nightly basis.



VIPUL BHUSHAN—THE TECH

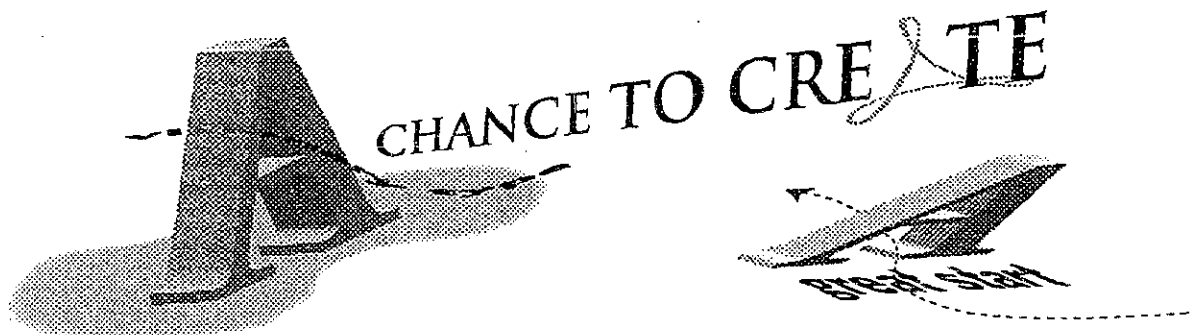
Safelink information was available in Lobby 10 yesterday.

STUDENTS INTERESTED IN MEDICINE

Sophomores and juniors who are considering a medical career and are interested in being assigned to a premedical advisor should make an appointment in the Preprofessional Advising and Education Office, Room 12-185 early this semester. Appointments may be made in person or by calling Anne Stollerman DiZio at 253-4737.

Juniors or seniors who are planning to apply to medical schools this year must stop by Room 12-185 this semester to start a recommendation letter file. The latest a file can be started to apply for 1995 is October 7, 1994.

There will be an open meeting in March for any student interested in applying to medical school. Watch for a future notice or call us to find out about the specific date and location for this meeting.



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Applications Programmer

This qualified candidate must have experience programming in C, C++, GUI, client/servers and working with database applications. Additionally, you will interface with application users to analyze needs and develop solutions.

A BSCS or an engineering discipline and/or equivalent experience, NIX literacy (shell scripting) and programming experience outside of coursework are required. Excellent written, verbal, and interpersonal communication skills are also required. Knowledge of Mac®/PC spreadsheets, word processors, etc. is necessary; Relational Database programming experience is desirable. Coll #MH.

Members of Technical Staff

In addition to the following qualifications, we seek team players with excellent written, verbal, and interpersonal skills for these positions.

- This qualified candidate will be responsible for: printer implementation, complex software design, debugging, and maintenance. A good deal of customer interface combined with are necessary.

A BS in Computer Science and/or equivalent experience a proven track record of completing projects is required. You must demonstrate the ability to read C code (written by others) and have experience with UNIX. A MS or Ph.D. in Computer Science is desired. Coll #GC.

- This individual must have experience on multi-platforms and have a BS in CS and/or equivalent experience. Knowledge of C and/or C++ is desired; experience with graphics and visual documentation is a plus. Coll #BW.

- This individual will provide support to the QA Project Lead by participating in design and code reviews, performing code coverage tests and other "White Box" QA efforts, testing suite development, and writing and conducting automated test scripts. Testing software from written test plans, writing debugging reports, and tracking down and defining the shortest failure path for complex error manifestations are also part of your responsibilities.

Qualifications include a BSCS, indepth knowledge of computer use or capabilities and experience with PostScript printer hardware and programming, word processing, spreadsheets, databases, communications, desktop publishing, and graphics paint or draw applications. Experience with Windows 3.1, UNIX® and Macintosh environment and QA testing and programming experience desirable. Coll #TC.

- This individual will be a member of a 12-person team developing multiple, very large scale, graphics renderings, font scaling, and compression/decompression ASIC's, using 0.6 micron CMOS standard-cell technology. This is a ground-floor opportunity in a highly visible program. Duties include the design and development of the architecture and detailed logic design of a very large scale ASIC, design and development of associated simulation models, test programs, logic and functional verification programs, and other software required to develop this ASIC.

We require a BS in EE or CS and/or equivalent experience, some user level UNIX and C programming experience. Additionally, familiarity with logic design, simulation, graphic software algorithms and interpretation, test generation, and micro programming techniques are important. A MS degree and previous industrial experience is preferred. Coll #JM.

Please sign up to meet with us on
**Friday,
February 4, 1994.**

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Sprinkler Freezes, Breaks in Edgerton Crosswalk

By Jeremy Hylton
CHAIRMAN

Last Saturday night, a sprinkler in a crosswalk at Edgerton House froze and burst, flooding parts of four floors in two wings of the graduate dormitory, but causing little damage.

The sprinkler was located in the ceiling of the upper crosswalk that

connects the building's two wings. The basement, first, second, and third floors of the D wing, and about a third of the C wing were flooded, according to Christopher Nolan, general manager of renovation and construction in the housing office.

Nolan said there was little permanent damage. "The carpet needs some cleaning, but the damage real-

ly was minimal. We've been lucky," he said.

Steve Mann G, an Edgerton House resident, described the cleanup. "There was someone in my apartment with a big vacuum cleaner mounted on top of a 50-gallon oil drum, vacuuming up the water of the floor," he said.

By Sunday night, the mainte-

nance crew had cleared away most of the water. "The cleanup crew has been working on it all day, and still is working. They've cleared most of the water, and now there are big blowers in each of the rooms to dry out what remains," Mann said.

Nolan was pleased with the speed of the cleanup. "The housekeepers and the maintenance crews did a really good job cleaning up," he said.

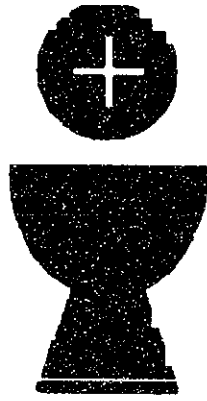
Nolan said the recent cold weather has created many problems with heating and sprinkler systems all across campus. "It's been hectic. Physical Plant has been doing a good job keeping everything running," Nolan said.

The problems have been split pretty evenly between the sprinklers and heating pipes, Nolan said. The long, cold winter has been the primary cause, he said, but human problems have also contributed to problems — like "people leaving windows open and going away for the weekend," Nolan explained.

Several buildings across campus have had pipes freeze in the cold, including McCormick Hall, MacGregor House, NW10, E55, W4, and W71, Nolan said.

"We've been very lucky that there hasn't been much damage. There have been very quick response times from Physical Plant and from housing," Nolan said.

Tech Catholic Community



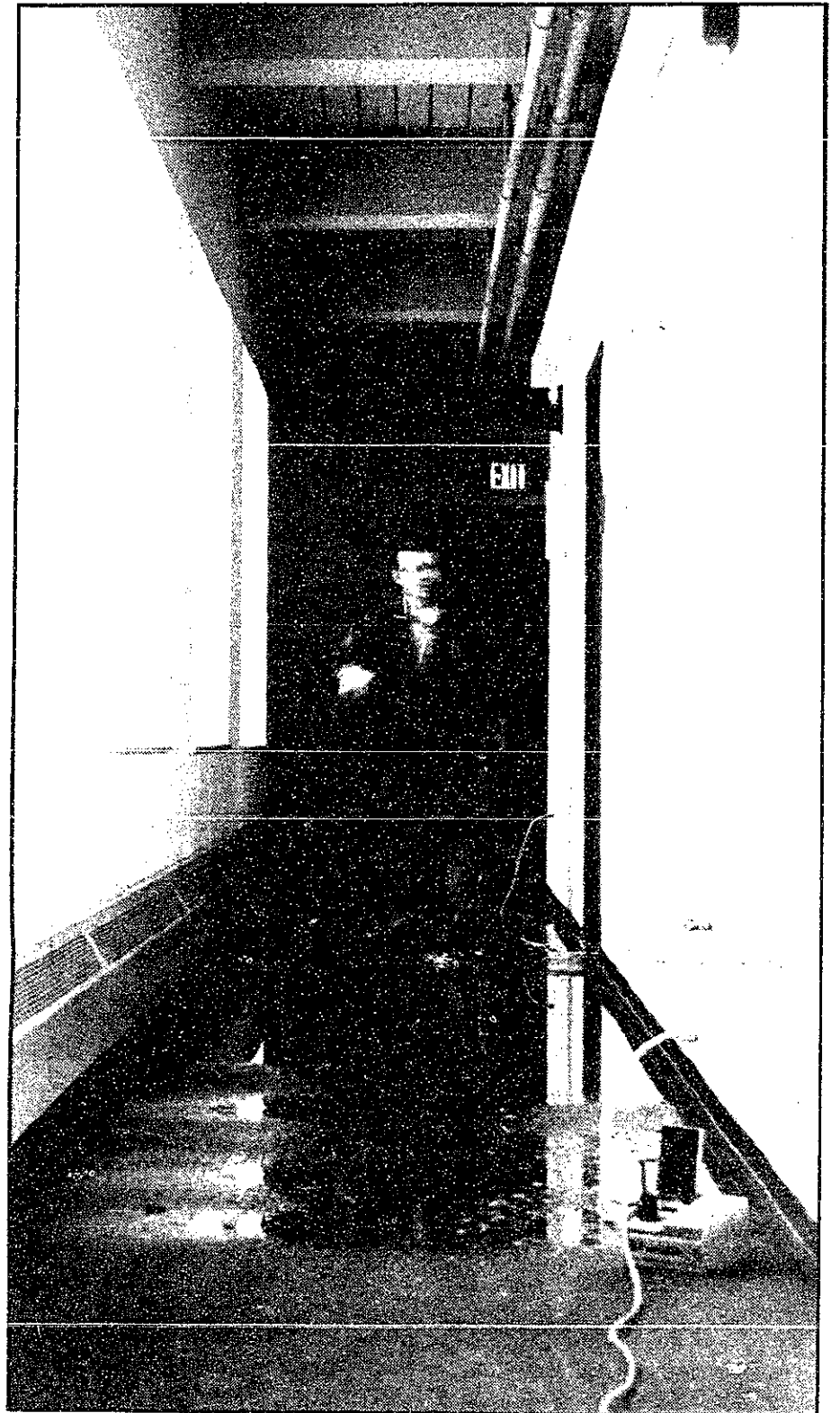
"Landings"

A program for active and inactive Catholics

Saturday, February 5, 12:30

Chaplaincy Basement

Other Masses: Saturday 5pm
Sunday 10am & 5pm
(in the Chapel)



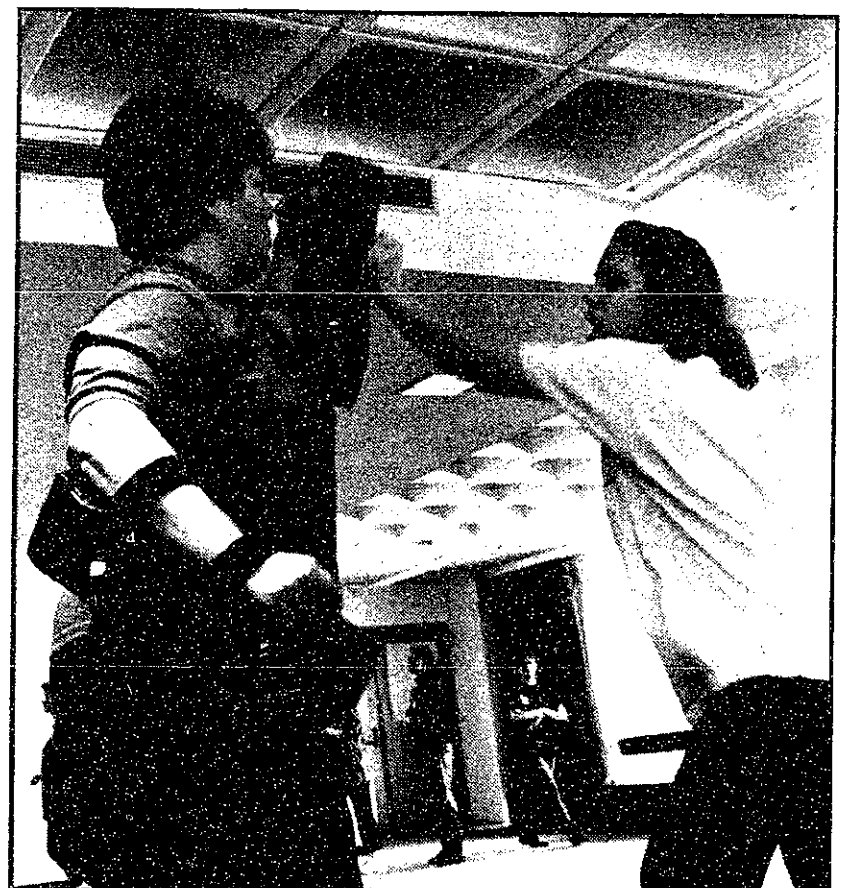
Rapid cleanup occurred at Edgerton House after the flood. Workers vacuumed away the excess water.

MIT ATHLETIC ASSOCIATION MEETING

Wednesday,
February 2, 1994
9:00 PM

MEZZANINE LOUNGE
STRATTON STUDENT
CENTER

All undergraduate Athletic
Card holders are invited
and requested to attend.



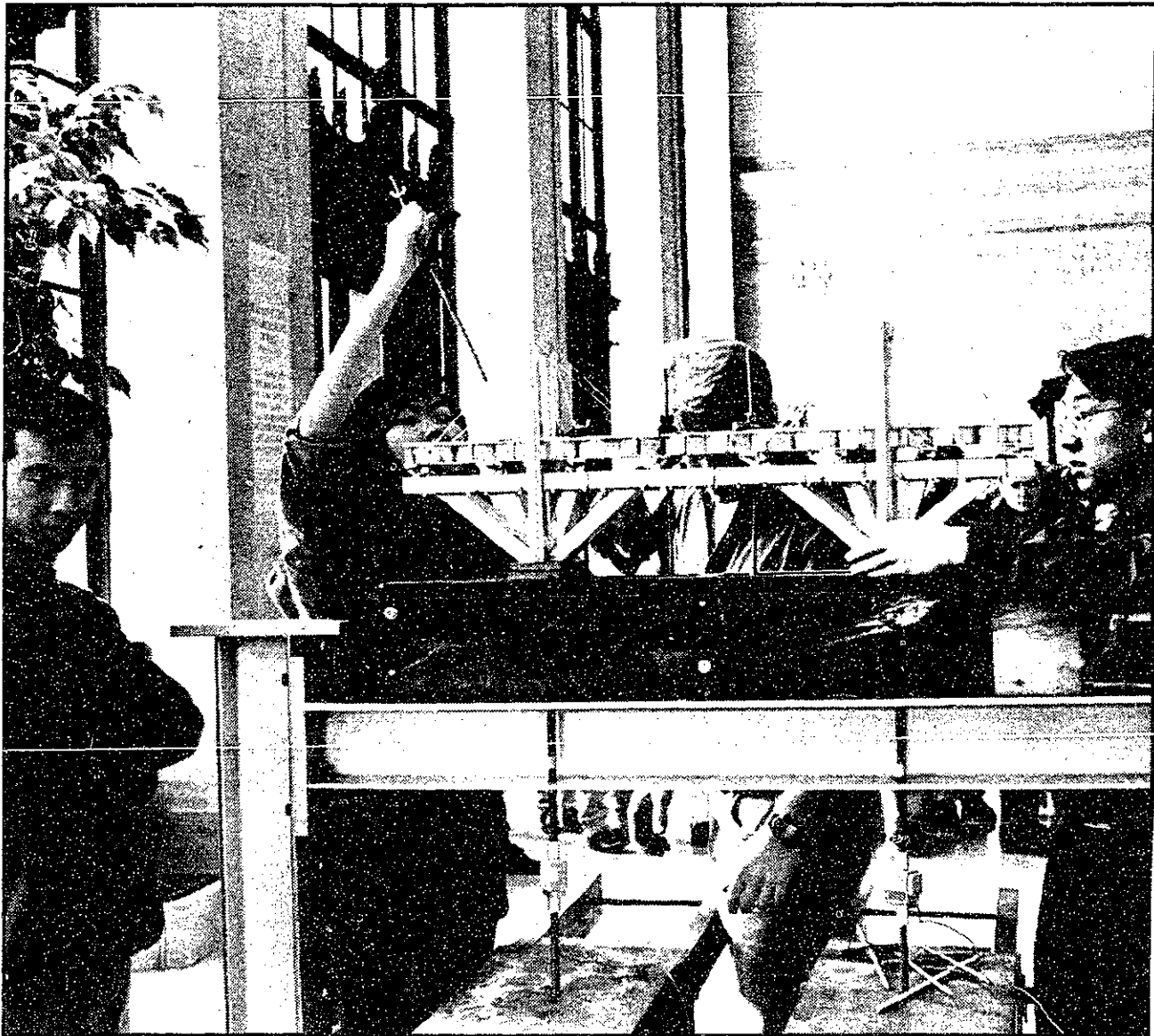
Chief of Campus Police Anne P. Glavin teaches a participant in her Independent Activities Period Rape Aggression Defense seminar to block an assailant's blows.

The Tech News Hotline 253-1541

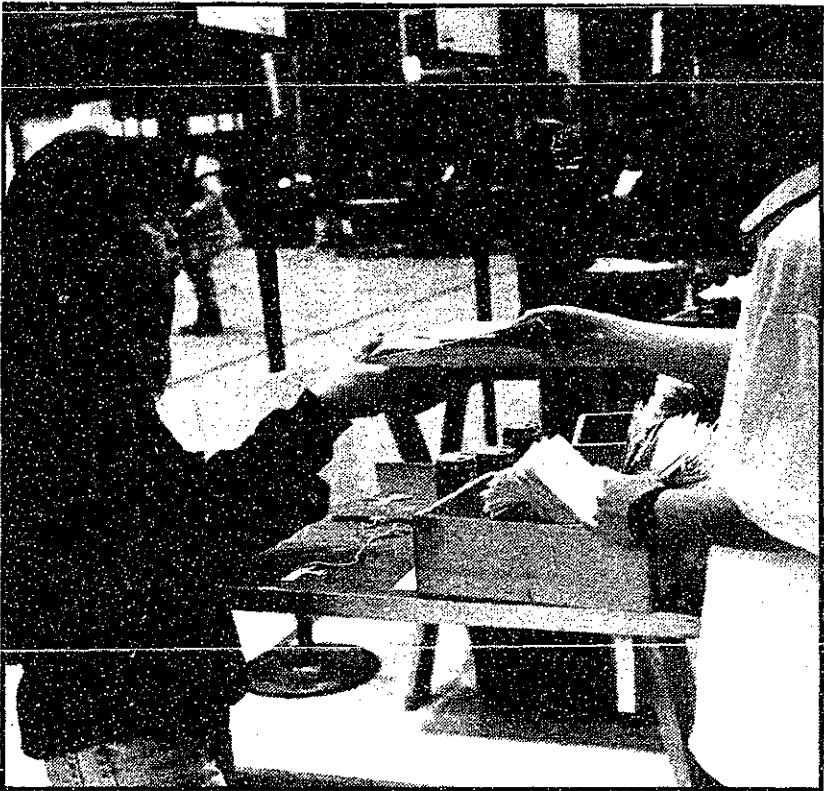
POLICE LOG

The following incidents were reported to the MIT Campus Police Department between Jan. 8-26:

- Jan. 8: Bldg. 38, money clip with \$100 cash stolen, total value \$175; Albany Garage, '87 Toyota stolen.
- Jan. 9: Next House, student problem; Pacific lot, hit-and-run damage to a car.
- Jan. 10: Bldg. 14, suspicious activity; The Coop at the Student Center, wallet and checkbook stolen, \$200 plus approximately \$600 written in checks; 275 lot, car broken into and various items stolen, \$205; Bldg. 16, computer parts, \$5.
- Jan. 11: Bldg. E19, suspicious mail; Barker Library, wallet and cash stolen, \$60; Albany open lot, attempted larceny of a Honda Civic.
- Jan. 12: McCormick Hall, laptop computer stolen, \$2,500; DuPont Gym, wallet stolen, \$5; Bldg. 45, larceny of wallet, \$10; Student Center, card reader unit, \$800.
- Jan. 13: Bldg. 14, VCR stolen, \$315; Bldg. 13, wedding ring, \$300; Bldg. 5, larceny of athletic bag, \$575; Bldg. E40, wallet stolen, \$25; Green Hall, annoying phone calls; Rockwell Cage, leather jacket and cellular phone stolen, \$400.
- Jan. 14: Student Center, bicycle stolen, \$420; 275 lot, '92 Honda stolen, car stolen in Boston recovered.
- Jan. 15: Westgate loading dock, hand truck stolen, \$100.
- Jan. 16: Kresge Auditorium, nylon bag stolen, \$105.
- Jan. 18: Bldg. NE43, portable phone stolen, \$650.
- Jan. 19: Albany garage, attempted larceny of a '80 Datsun; Kresge lot, car broken into, nothing missing; Westgate low rise, apartment broken into, \$420 in property stolen; Fowler Street, '87 VW Jetta broken into, nothing missing.
- Jan. 20: DuPont Gym, backpack stolen, \$200.
- Jan. 22: McCormick Hall, suspicious activity.
- Jan. 24: Bldg. 54, malicious destruction; Bldg. E38, larceny of a check, \$178; Bldg. 5, obscene phone call; Bldg. E53, harassing phone call; McCormick Hall, annoying phone call; Bldg. 35, wallet stolen, no cash; Eastgate, harassing phone call.
- Jan. 25: Burton House, key stolen; Kresge lot, VW Golf vandalized.
- Jan. 26: East Campus, student problem; DuPont men's locker room, wallet stolen, \$30; Bldg. 14, vandalism to vending machine; Kresge lot, '85 Buick stolen; Green Hall, student problem.



Albert Ma '96, Trudy H. Liu '95, and Elmer C. Lee '96 participate in the Independent Activities Period Bridge Building Contest.



A student receives her temporary identification during registration in DuPont Gymnasium.

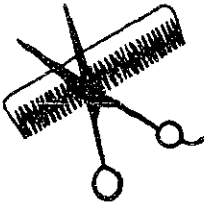
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Are you concerned about your safety at MIT?
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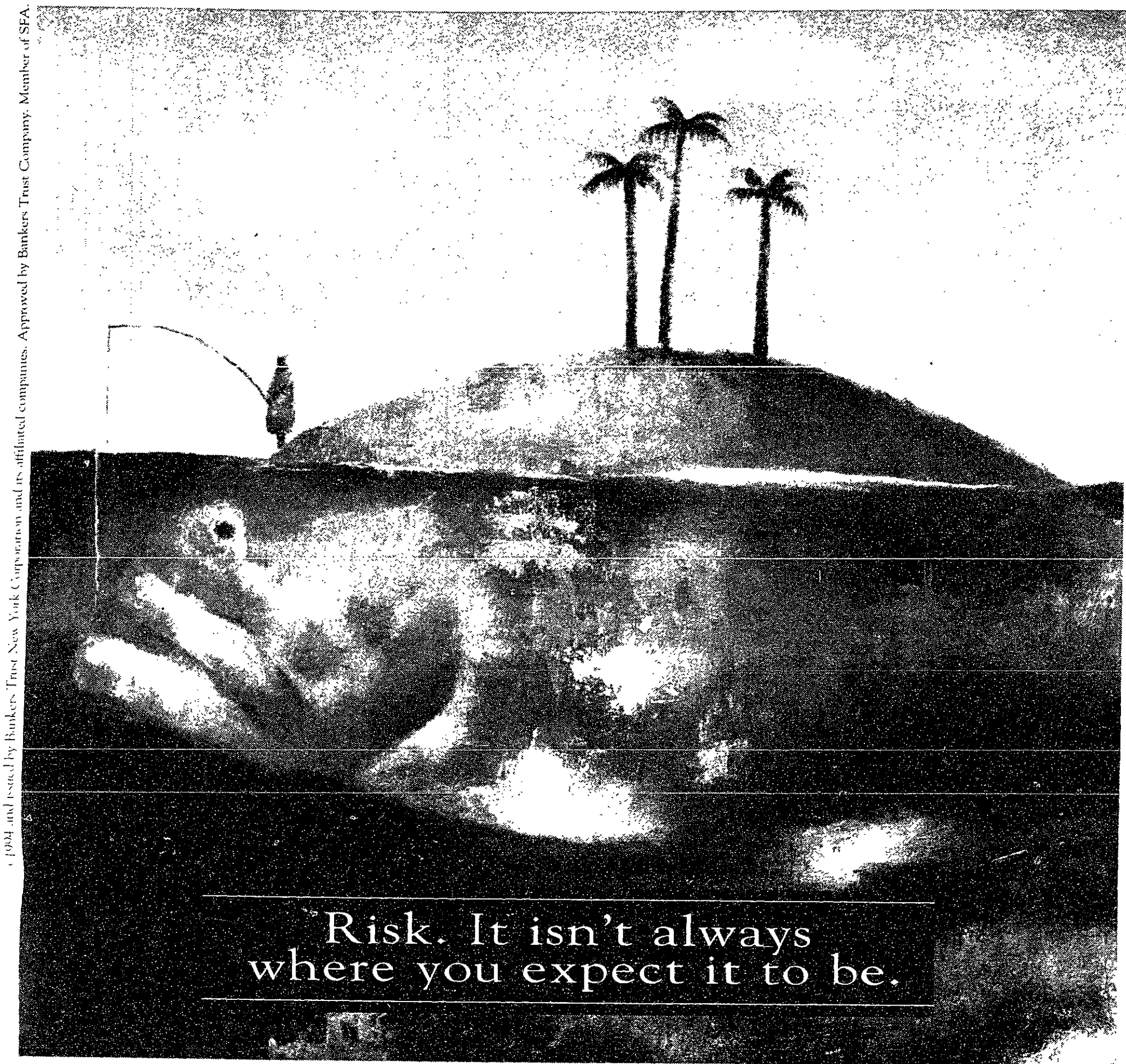
Phone number: x2-1300

Hours of Operation: Sun., Wed., Thurs.
10pm-3am

Starting Date: February 13, 1994

For more information, please contact either:

- Susan Ipri, x3-3772, sipri@mit.edu
- Ken Porter, 739-2639, kporter@mit.edu



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LEAD FROM STRENGTH.

Cowboy Defense Is Not Dominating, But Who Cares

Argue, from Page 25

notch and excel versus the Chiefs. His ability to run hard and keep the Boys' defense off guard and guessing will set up Kelly and the passing game and is vital to the Bills success. Kenneth Davis needs to give the Bills an equal effort so there is no let down when he spells Thurman for a play or two.

Despite poor playoff performances in the past, QB Jim Kelly had a stellar playoffs this year. He is reading the coverages right, looking off receivers, and not forcing the ball in hopes of a big play. Additionally, unlike his Dallas counterpart, he comes into the game in top shape physically. His ability to distribute the ball among all receivers, Thomas, and Metzelaars in order to spread the Dallas defense and open up some big play opportunities will be a key to the game.

The receiving corps of Buffalo is also excellent. All Pro receiver Andre Reed, former BU standout Bill Brooks, Steve Tasker, and the underrated Pete Metzelaars are all playing well this year. Reed and Brooks have the ability to go deep, while Tasker is an excellent possession receiver. Metzelaars needs to find the open spots in the Dallas D and catch some passes early in order for Thomas to have a big day. Otherwise, Norton and Edwards will be able to contain Thomas and stop the flair passes to Thurman in the flat.

The offensive line is playing very well (no sacks versus KC) and is underappreciated. The two keys of the game from the line standpoint

are: 1) How well All Pro tackle Howard Ballard can keep Maryland away from Kelly, and 2) The health of center Kent Hull. X-rays of his ankle were negative earlier in the week, but the ability for him to plant the foot on pass protection to keep Lett off of Kelly and drive forward in the running game in order to open some holes for Thomas are unknown.

Dallas on Defense

The Cowboys' defense is not dominating or fearsome, like the Doomsday Defense of days gone by was. This is ok, however, because 1) they don't have to be since the offense takes care of business and 2) they rely on speed, finesse, and the scheme of the departed (and now rich) Dave Wannstadt. In fact, the 'Boys were only 10th in the league in total defense, 11th versus the run and 10th against the pass. They will need to come up big against Thermal Thomas, however, because if they give up 184 yards to him like KC did, they will likely loose like KC did.

Russel Maryland is the only Pro Bowl selection on a defensive line filled with stars. It is hard to believe Eugene Chung was picked after him in the first round. It is unknown how well he will be able to play coming off the ankle injury. Tony Tolbert and Jim Jeffcoat combined for 13 1/2 sacks, leading the corps that includes Charles Haley, a long-time great, Tony Casillas, and the infamous Leon Lett. This crew is known more for finesse than punishment.

Ken Norton is the only Pro Bowl

selection among the linebackers, an amazing feat considering that it has been nearly 20 years since he broke Ali's jaw and 15 years since he lost the heavyweight title to Larry Holmes. He has played well despite a torn bicep muscle that has allowed him the use of only 1 arm. Dixon Edwards will be the next big defensive star for Dallas. Look for him to have a big game on Sunday and to possibly make All-Pro next year. Robert Jones and Darren Smith round out a solid but not flashy group.

The secondary is also solid, despite having perhaps the most boring names in the NFL in Smith (Kevin), Washington (James), and Brown (Larry, who splits time between Irving and Indiana). Safety Thomas Everett, of course is the most renowned of the group, is good against both the run and the

pass, and became the 10th Cowboy to make the Pro-Bowl.

Special Teams

Life-long kicker Eddie "Eat, Drink, and Be" Murray is constant from short range, hitting on 25/28 from under 50 yards for the season, but was never known for hitting the long ball, even though he connected on 3 out of 5 from 50+ this season for Dallas.

Steve "Lightning Strikes" Christie, on the other hand was known for his long range kicking, even though he hit on just 1 of 6 from 50+ this year. He was also the goat for millions of bettors in the second round game versus the Raiders, where he missed 2 extra points, thereby allowing LA to cover the spread by 1/2 a point.

The punters names are James Jett for Dallas and Chris Mohr (of

Mohr's circle fame) for Buffalo. No one cares about the rest. As long as they stay off the field on Sunday, no one will get hurt.

Other keys for the special teams: Kevin Williams has got to hang on to the ball on kick and punt returns. He cost the 'Boys the regular season game against Atlanta with a muffed punt return, and has a propensity for fumbling. Steve Tasker is going to the Pro Bowl for Buffalo as a special teams guy; Dallas should avoid kicking the ball to him on one bounce at the 40 yard line, like the Raiders did.

Favorite Vegas Odds

First To Score a Touchdown
Eddie Murray: 150-1
Steve Christie: 200-1
Odds The The Final Score Will Be:
2-0: 500-1

Write for The Tech



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- If you are an Undergraduate Student, contact: Steve Luperchio, Chairman, UA Nominations Committee. Phone: 253-2696 Room W20-401
- If you are a Graduate Student, contact: Chris Gittins at The Graduate Student Council Office. Phone: 253-2195 Room 50-220
- Completed applications must be submitted by 5 PM, Friday, February 4, 1994.

For further information, simply contact:
The Coop President's Office
Harvard Square Store
499-2002



Jim's Journal by Jim

Today Steve told me he's been talking to Mike about working together.

He said they thought of a funny TV sitcom idea.

"It would be set in Hell," he said.

He said they were thinking of writing a script for the pilot episode.

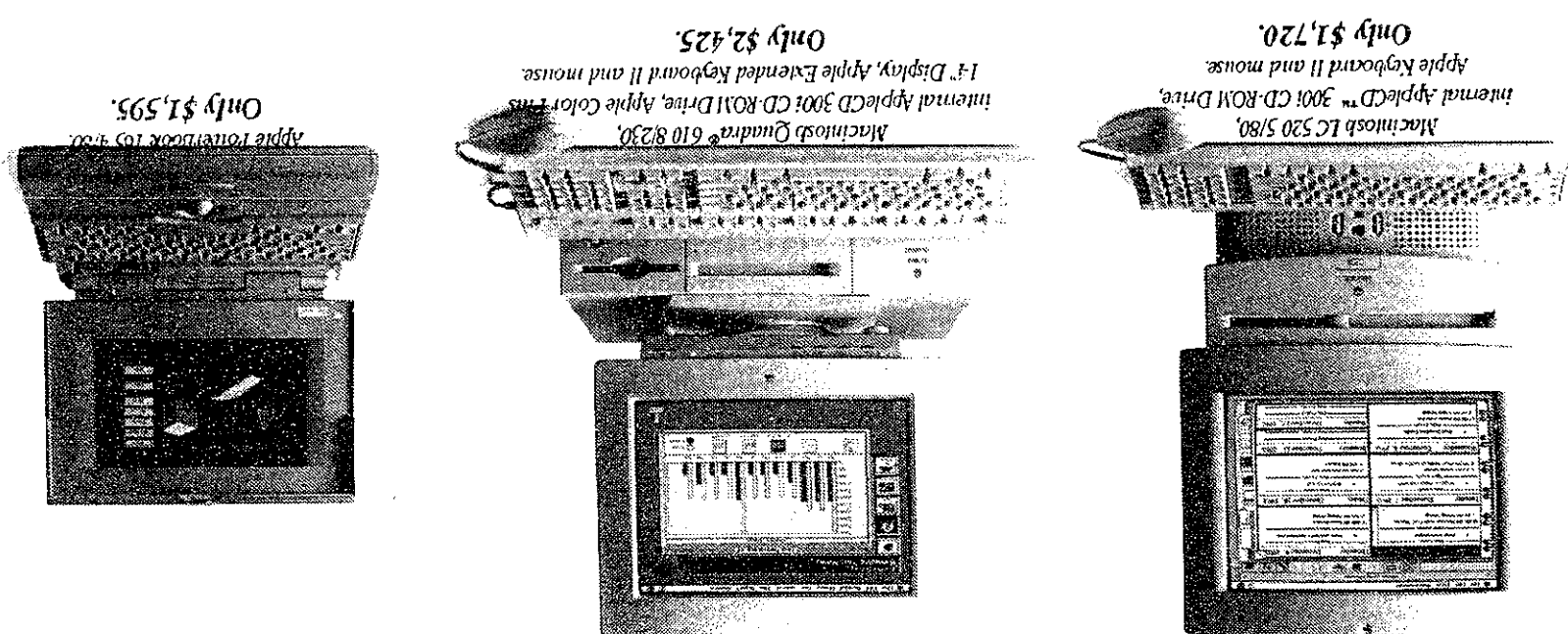
Today Steve and I went over to Mike's.

They were planning to write a TV sitcom that takes place in Hell.

"Hey," Mike said, "Let's call it 'Hell in a Handbasket'!"

Steve laughed and said, "Perfect!"

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Cowboys Offensive Line Leads Stronger Side of Team

Argue, from Page 29

ground game dominates and 2) the Bills have been able to use a significant home-field advantage to reach the Super Bowl when there may have been better teams in the AFC. In three of the last four years, the Bills have gotten home-field advantage throughout the playoffs by feasting on a steady diet of Dolts, Jets, and Pats. They may not have gotten to all four Super Bowls if the Bills had to travel outside the friendly and frigid confines of Rich Stadium.

The 'Boys, on the other hand, have clearly been the best team in the league for the last two years. Credit here is also due the coach, Jimmy Johnson, and the front office, notably Jerry Jones. Both showed cajones grandes in taking the team away from legendary Tom Landry and Tex Schramm, getting rid of the Herschel Factor, and dropping 15 of 16 in 1989. They, of course, followed the right track by cashing in their chips and trading a single 1-15 season, followed by two Super Bowls, for 5 seasons of 8-8 mediocrity. Their talent pool is hard to match, particularly on the offensive line, which makes Troy Aikman's job pretty easy, and they are playing with unchecked, but well-earned confidence.

Having only one week off between the conference championship and the Super Bowl should help keep Buffalo in it. The 'Pokes will win convincingly, but a late score led by Frank "Decline and Fall of the Third" Reich will bring the Bills within the spread.

The Matchups

Dallas on Offense

The better half of the Dallas team is its extremely talented offense. The 'Boys are strong in every facet of offense, led by the offensive line. Dallas finished the season 4th in the league in total offense, second to the Giants in rushing and 7th in passing. They are sending seven out of 11 starters, including the entire backfield, to Honolulu in two weeks as Pro Bowl

selections, and probably could have had one or two more as well.

The offensive line is the anchor, allowing Troy "Boy" Aikman enough time to do a 6.233 problem set before he throws the ball and creating gaps for Emmitt to poke through. Nate Newton, who plays the part of jolly fat man better than anyone with the possible exception of his biggest fan, John Madden, and tackle Erik Williams are going to the Pro Bowl. More importantly, Newton has also made the All-Madden team for the 5th time. Kevin Gogan and John Gesek could also have made it, and they lead a crew rounded out by the superb Mark Tuinei. Coach Jimmy Johnson will likely line Williams up against Bruce Smith, a matchup that may determine the outcome of the game.

The backfield consists of Aikman, Smith, and Daryl "Moose" Johnston. Johnston is going to the Pro Bowl as a fullback, despite rushing for only 74 yards for the season, a testament to his blocking and receiving (his 50 catches were third on the team) and the team's ability to feature Emmitt Smith play after play. When Smith is not in, bruiser Lincoln Coleman can step in adequately, and although rookie Derrick Lassic has good skills, he lacks sufficient pro experience.

Aikman was the second highest rated quarterback this season at 99.0, while racking up some amazing numbers like completing 69.1% of his passes and throwing six interceptions all season, including the one that ended the regular season game versus Buffalo. (By comparison, Drew Bledsoe had five in a single game against the Steelers in Week 13). Troy is not flashy, but is a perfect compliment to the offense by making good decisions when passing and by getting out of Smith's way after he hands it off. He is not irreplaceable, though. Because Dallas is so strong all over, they can still win this game if the legendary Bernie Kosar has to come off the bench.

The crew that catches Aikman's passes is also pretty good. The wide outs are led by Michael Irvin, who is almost as good as he thinks he is,

and is headed to the Five-0 as well. He led the team with 88 catches for 1330 yards and 7 TD receptions, and is a threat both deep and short. Although not as acrobatic as some NFL receivers, Irvin has great hands (much like Sir Vix) and great concentration. On the other side, Alvin Harper is primarily a deep threat, averaging 21.6 yards a catch; he likes to catch the quick slant and take it for a long gain, as seen in the last two NFC Championship games. Tight end Jay Novacek had a down year compared to previous years, especially 1992, catching only 44 balls for 445 yards and only 1 TD. Although criticized by Todd Christenson this year, Novacek remained the best tight end in the NFC mainly because no one else stepped up to claim the title, and he was rewarded with a trip to the Aloha State.

Despite the other facets of the offense, it is clear that Emmitt Smith is the key to the entire Dallas team. He was a clear choice for the NFL MVP. Dallas has lost 4 games all season, and in none of them did Emmitt play all four quarters. He led the league with 1486 rushing yards, despite sitting out the first two games versus Washington and Buffalo. More importantly, his 5.3 yards/carry average allows the Cowboys to run him on first down and leave the defense vulnerable with 2nd and short situations. He showed his toughness by playing in extreme pain against the Giants and Packers. If Emmitt has to go out due to his shoulder injury, the Bills could capitalize.

Dallas will look to maintain the same offensive scheme that got them to The Dance, and which will make Norv Turner rich next year. They will try to feature Emmitt Smith as a primary means for steamrolling over Buffalo. Buffalo's only chance will be to stop the Boys up front, at the line of scrimmage where the Bills are strongest. If the Boys can block the D-line, though, Buffalo will have to try again next year. Regardless of the line play, it will be interesting to watch the matchup of the talented Dallas receivers going against the unheralded Buffalo secondary of Nate

Odomes, Mark Kelso, Henry Jones (quietly gaining the title of "Most Underrated Player"), and Thomas Smith.

Buffalo on Defense

With the Bills offense using the no-huddle approach, the defensive players will be on the field for over half of the game (Buffalo's average time of possession was 27:30 in the regular season). This could be a problem, especially if Emmitt's shoulder is fine, as the Big Dallas Offensive line may be able to wear out the Bills front three, resulting in long sustained scoring drives for the Boys. With Nate Odomes giving away 4 inches to Michael Irvin, it is imperative that the D-line gets pressure on Aikman so that he is not able to spot up and throw the deep pass to number 88. This is an opportunistic defense (47 turnovers in the regular season, league-high), however, and, combined with Aikman's penchant to force the ball, could come up with some of the big plays the Bills need to have a chance.

On the line, Buffalo has arguably the league's most dominant player in Bruce Smith. Smith will need to put his father's health in the back of his mind or use it as motivation as he needs to come up with a big game. Despite being constantly double-teamed, Bruce was able to register 13 1/2 sacks this year, second in the league. While the attention has been focused on Smith, nosetackle Jeff Wright (5 1/2 sacks) and defensive end Phil Hansen (3 1/2) quietly had nice years. Their ability to get pressure on Aikman so that Troy has to hurry (and force) his passes and to contain Emmitt by forcing him inside so that the Bills excellent linebacking corps may tackle him will be keys to the game.

The Bills linebackers - All Pro Cornelius Bennett, Darryl Talley (career high 137 tackles), Marcus Patton (12 tackles vs. the Raiders), and Mark Maddox (9 vs. Kansas City)—are very talented. Bennett and Talley are money players and will need to step up in Sunday's game. As Dallas uses Emmitt and Novacek effectively in their short passing game, they will have their

hands full. They will have to read the play action passes so that Novacek isn't able to slip in between them and the Bills secondary for a 15 yard pickup (when the Bills play zone) or go for the big gainer (when the Bills are in man coverage). Their ability to tackle Emmitt on the first try will be a key, as Smith has the knack for bouncing off the initial would-be tackler and picking up 5 additional yards. Therefore, the Bills will have to use their body (i.e., square the shoulders) and not rely on arm-tackling to bring Emmitt down.

The secondary has all pro corner Nate Odomes and the steady Henry Jones at safety. Although the defense had 23 picks during the season, they do get burned, especially by crossing patterns over the middle (see Tim Brown in the Raiders game) and passes deep. If Kelso bites on the play action, falls for Aikman's pump fakes, or is forced to help the linebackers in covering Novacek, watch for Irvin and Harper to go long.

When the Bills Have the Ball

Buffalo on Offense

The Bills run the no-huddle. Although it results in a lot of quick scoring drives, it also produces quick 3's and out. They do, however, have the ability to run the ball and grind out the clock. The Bills finished 6th in the league in total O, so the ability to score a lot of points is there. They also do not turn the ball over very often and are not heavily penalized. If they can get some drives going (especially early) in order to give the defense a rest and do not have the drive killing holding penalties, Kelly will be able to have the big day needed in order to bring the trophy to the frozen shores of Lake Erie.

The backfield is superb, led by All World running back Thurman Thomas (led the AFC in yards from scrimmage for an NFL-record fifth straight time). Despite a ho-hum performance against the Raiders, Thomas was able to turn it up a

Argue, Page 23

THE WORK ENVIRONMENT

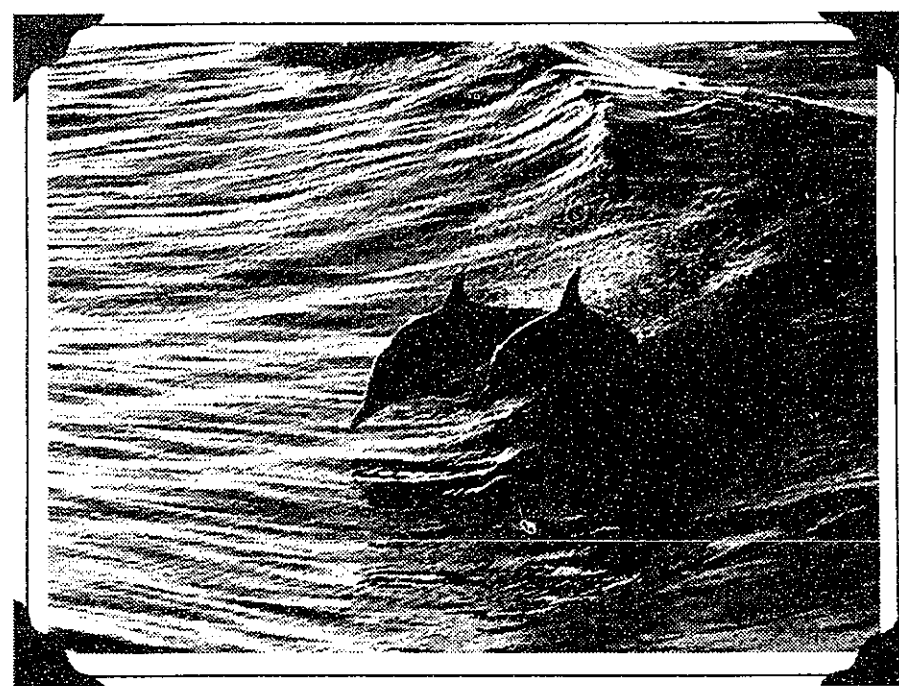


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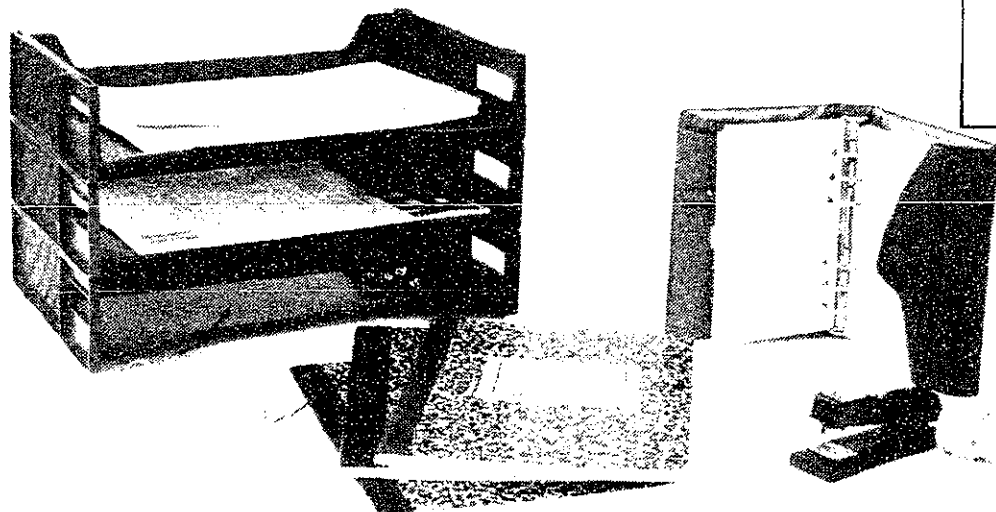
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SCSU Defeats MIT Swimmers

Ognen J. Nastov
STAFF REPORTER

The MIT men's swimming and diving team was defeated by Southern Connecticut State University (SCSU) at the MIT Alumni Pool Wednesday.

"Given the circumstances, we did swim very well," said Head Coach John Benedick. "While we are in the middle of heavy training, SCSU are a week-and-a-half ahead in their training cycle and are already starting to taper for their conference championships which are earlier than ours." SCSU is a Division II team, while MIT is in Division III.

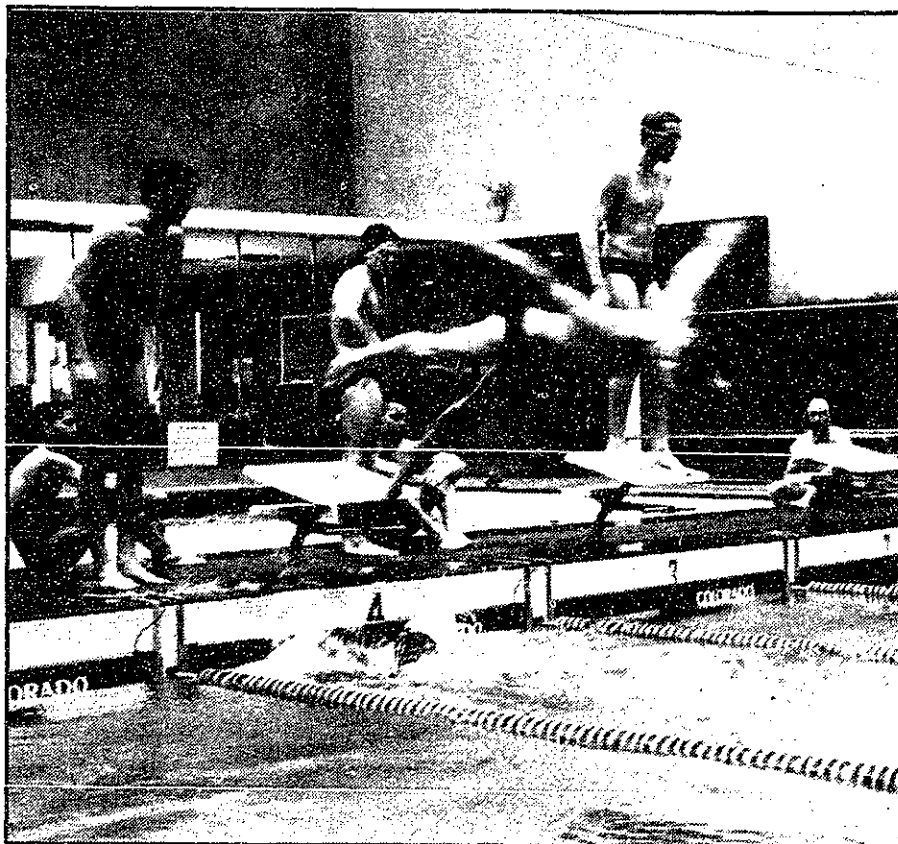
The meet opened with the 400-yard medley relay, in which MIT's squad placed second. In the 1000-yard freestyle, David Chatwin '97 continued to show improvements in performing his new role as a distance swimmer, and placed third (11:09.32).

The first victory for the Engineers came in the third event of the meet, the 200-yard freestyle. Christian Hamer '94, an MIT swimming veteran, triumphed with a winning time of 1:51.12. In both the 50-yard and 100-yard freestyles, Matt Lau '97 finished second behind Middleton of SCSU, in 22.72 and 50.66 seconds.

The most exciting moment at the meet came when three MIT swimmers swept the 200-yard butterfly by placing 1-2-3. Joe Kurtz '96 crushed his SCSU competitors in a personal best time of 2:07.51, while the second and the third spots were claimed by tri-captains Alan Liu '94 and Vijay Lathi '94. "It was so nice to be swimming fast regardless of the ongoing hard training," said Kurtz. "I was swimming my own race," continued Kurtz, "I didn't realize that I was winning until I touched the pad, looked around, and realized I was there by myself." Kurtz is looking forward to further

improving his 200-yard butterfly time, and placing among the top 16 at the conference championships in late February.

The absence of tri-captain Ted Achtem '95 at the meet, particularly from his specialty event, the 200-yard backstroke, gave SCSU the opportunity to sweep this event and solidify their lead against MIT.



Men's swimming lost against Southern Connecticut State University on Wednesday. The point totals were 112.5 to 76.5.

"While MIT still swam well, it would have been a different story if Ted was in," acknowledged SCSU's assistant coach Sean Farrell. "We were looking forward to a good race between Ted and Michael Jordan," continued SCSU's head coach Bruce Hutchinson. Jordan won the event for SCSU in an exceptional time of 1:57.42.

The Engineers were narrowly defeated in the final event of the

meet, the 400-yard freestyle relay. After its initial lead, MIT's squad finished second, 0.74 seconds behind the winning squad from SCSU. Coach Benedick singled out the relay performance of Stephen Chan '95 as excellent. The meet ended with a score of 112.5-76.5 in favor of SCSU.

"It was a good meet," said SCSU captains Dan Hartnett and

Men's Gymnastics Opens Season with Two Tough Losses

By Van N. Van
TEAM MEMBER

The MIT men's gymnastics team opened the year with two terrific meets against two of the top Division II/III teams in the nation. On Jan. 12, the Engineers engaged in a dual meet against the defending national champion, Springfield College. Ten days later, they traveled north to compete against the University of Vermont. On both occasions, the Engineers showed great potential and promise.

The Springfield College tournament showcased many of MIT's fine gymnasts. For the first time in many years, MIT had a full line up in a competition. The meet began with dynamite floor routines and explosive tumbling passes. Rob Cooper '97 topped off the event with a one-and-a-half, punch front earning him a score of 8.5.

The pommel horse, perhaps the most difficult apparatus, took its toll on the team score. With many form breaks and a few major deductions, the team came out with a low score of 24.85.

The undaunted Engineers continued on to the still rings, where they exhibited great strength and difficulty with such moves as the iron cross and L-cross.

In the vaulting horse, Jeff Phillippe '95, a newcomer to the team, scored a 7.25 with a well-done front handspring. Brian Young '96 executed a fine front handspring which earned him the highest score of the team, an 8.15.

In the parallel bars, Scott Lazerwith '95 dazzled the audience and the judges with his one arm handstand, while Andy Lobban '97 finished the event with the highest score of 7.75.

In the final event, the high bar, the team suffered from falls and breaks, perhaps due to fatigue. Lobban took two major deductions

when he fell off the apparatus twice. Luckily, there were no major injuries.

The team reaped a total score of 188.55, an extremely high score at such an early point in the season. Despite an excellent showing, the Engineers fell short of Springfield's 239.9.

A week and a half later, the men's team trekked through snow and ice to the University of Vermont. Though they were fatigued from the four-and-a-half hour drive, the team remained competitive and strong.

Cooper scored a personal high in his college gymnastic career with a score of 45.15. Chris Ellefson '95 scored a 41.05 despite an injury earlier which forbade him from competing in the all-around competition at Springfield College. Ellefson was also the highest scorer in parallel bars due to an improvement in form. Manuel Jaime '94, the captain of the team, showed enormous improvement in his still rings routine scoring a 5.05 as opposed to 4.25 at Springfield. Tremendous effort was put in Art Shectman '95, Chi Won '94, Van Van '97, and other members of the men's team.

Despite the improvement and individual achievements, the Engineers suffered from the absence of one of their best gymnasts resulting in a drop in the final score to 172.35. This score, though respectfully high, was not enough to defeat Vermont who scored a 215.9.

Though they lost their first two meets of the year, the team spirit remains high as they look forward to competitions in the future. The Engineers showed great promise and room for improvement. With further training, MIT will soon be a force to reckon with on the national circuit.

Distance Medley Team Ends Day in 3rd Place

Track, from Page 32

'96 — took the last four scoring places in the 500. In the 800, Ed Patron '95 finished third despite a valiant surge in the last 200 meters (he finished less than half a second behind the winner), and Kimathi Hardy '97 ran a solid race to finish sixth. Jerry Pratt '94 finished third in the 1000, while yet another pack of MIT runners, this time Dan Helgesen '97, Jesse Darley '95, and Rob Casadonte '94, finished fifth, sixth, and seventh.

Darley and Tarik Saleh '95 took first and second in the 1500, while Karl Munklewitz '95 and Gerry Corona '97 came in fourth and fifth, respectively. In the 3000, the Engi-

neers had their best race of the day, as Ethan Crain '95, Carlos Duran '94, Arnold Seto '96, and Josh Feldman '97 swept the top four places. The 1600-meter relay team turned in its best time of the year, but couldn't catch the team from Colby and had to settle for second.

The day ended with a third place finish for the distance medley relay team. The final scores were MIT 253.5, Bowdoin 119, Colby 110, Westfield State 90, Worcester State 13.5. Be sure to catch the action at Johnson Athletic Center this Saturday as the Engineers host archrival Tufts and Division II Springfield College. Field events start at 1 p.m., running events at 2 p.m., and admission, as always, is free.

SPRING 1994

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In Superlative Bowl, Cowboy Nix Buffalo Says Vix Picks

Argue, from Page 30

site sex, even though you bring in projects with revenue covering half of your department's operating budget, compared to less than 5 percent by your co-worker. Additionally, tools needed by you to effectively do your job are eliminated in order to supplement the activities of other co-workers (e.g., Prop 42 and the elimination of an assistant coach for Men's teams in order to free up some dough for other sports), co-workers who never bring in enough revenue to cover their expenses. You, the worker, would find this unfair. So, while gender equity is a major issue in all of college athletics, the current means being used to solve this problem are wrong.

Using the above-mentioned as a springboard, we recommend to the NCAA that it split itself up into separate governing bodies: one for college football, one for college basketball, and one each for the remainder of Division I, II, and III athletics. This way the governing body can spend its time addressing the appropriate needs of its members.

The Big East Conference as we know it today is in serious trouble. Formed as a basketball-only conference in order to cash in on the media markets of Boston, New York, Philadelphia, and Washington, the league is receiving serious ultimatums from its football only members. Temple, West Virginia, and Rutgers want in on the basketball side of operations as well. In the past, they have been continually told "no." Now, however, they are threatening to move out of the conference and form their own all sports league (similar to the Big 10 or ACC).

If these schools bail, BC, Syracuse, Pittsburgh, and Miami would all follow, leaving Georgetown, Seton Hall, St. John's, UConn, Villanova, and Providence hung out to dry (teams which provided the backbone for the conference in the early years). To complicate matters further, Rutgers is being mentioned as a possible 12th member of the Big 10, as the Big 10 would love to crack the New York media market (which Big East officials fear) and Penn State would like an Eastern partner. Therefore, unless something happens soon, G'Town, Hall, and the like will be replacing Temple, WVU, and Rutgers in the Atlantic 10.

The best thing about CBS losing the NFL: no more Terry Bradshaw. The worst thing about Fox getting the NFL: the acquisition of Terry Bradshaw. That compone ought to go back to his spokesmodel days for Hair Club for Men...

Where Are They Now?

Former Big 10 hoopsters: Roy Marble, Ed Horton, Lowell Hamilton, Sean Higgins, Todd Mitchell, Carter Scott, Doug Altenberger, Kelvin Ransey, Steve Bardo, Todd Penn, Keith Smart, and Brad Sellers.

Menudo's Final College Football Top 5

1. Notre Dame
2. Florida State
3. Nebraska
4. Wisconsin
5. Auburn

Although your humble scribes care for Notre Dame less than the 'Tute cares about plowing the bridge following a snowstorm, we have to admit that Lou Holtz and his "golden boys" officially got the shaft — no elevator included — by the football pollsters. If two teams have the same record, the first and most obvious tie breaker should be the head-to-head (i.e., Geromio) record, just like the NFL. If only A&M's hook and lateral play had worked, however.

Following this year's national championship debate, Menudo offers the following suggestion in order to clear up the confusion: the AP football poll should not come

out until the fifth week of the season. This will give sportswriters a better sense of who is for real (see Nebraska and Wisconsin) and which teams are jokes (see Syracuse and Georgia). It will also help to eliminate "voter bias." This bias is from sportswriters voting for the teams they picked in their pre-season publications (which go to press way back in May) and sticking with them all year, win or lose, in order to "look good" so that more publications can be sold next year (how else can you explain a non-ranked team beating a Top 10 team in week one of the season yet, in week two, still not being ranked while the 0-1 team slips to 16th in the polls). Also, the problem with leap-frogging won't be as pronounced. Some teams don't get ranked as highly at the end of the season as they deserve (see West Virginia), because they were either unranked at the start of the season (therefore had to spend all season moving up the polls) or not ranked that highly.

In college basketball, the AP poll means squat because the tournament selection committee uses the RPI (power index) in order to both select and seed the teams invited to the Big Dance. Therefore, the national championship is decided on the court, not "on the throne" at the sports departments of major newspapers. In football, however, voters decide the matchups for most of the major bowls. Therefore, one sportswriter from Butte could determine whether or not FSU plays Nebraska in the Orange Bowl (the final two minutes were the best in college Bowl history, by the way) with the stroke of his pen. Otherwise, the Bowl coalition should use computer power ranking's (based on strength of schedule, opponents' strength of schedule, victory margin, etc.) in order to determine bowl matchups. This will also help to eliminate the traditional cup cake non-conference schedules some schools play.

Let's Argue Fan Final Top 5

This final top 5 comes from the power ratings of the computer-like mind of Steve Hao '92:

1. Northern Illinois University
2. Waubesa Community College
3. Aurora University
4. Illinois Benedictine College
5. Illinois Institute of Technology

Steve adds: "NIU is in Dekalb, Ill. — Cindy Crawford's home town. Aurora University is, of course, in Aurora, Ill., my home town and the setting for Wayne's world. IIT is a cheap imitation of MIT in downtown Chi-town. WCC and IBC — do they have sports teams? Who knows or really cares."

Simson's Top Four

1. UCLA
2. Duke
3. Purdue
4. North Carolina

Race For Futility

Marty Schottenheimer: 0-3 in AFC Conference Championships
Buffalo Bills: 0-3 in Super Bowls

Mavs: 2-37

Schottenheimer should not feel so bad, considering that the last coach to go 0-3 in AFC Conference Championships won the Super Bowl the next year and, this week, signed a \$30 million contract with the Simpson Network. The Bills' Super Bowl win total equals the number of times Lambda Chi Alpha and GAMIT have had mixers. How wrong we were in predicting that the Mavs would surpass the 'Boys in wins this year, as the 'Boys have won more games this month (3) than the Mavs have this season.

You Heard It Here First

Oilers' defensive coordinator Buddy Ryan is headed to Portland, Ore., to hire Eckhart, Stant, and Gilooly to club Kevin Gilbright, once the three goons get out of jail.

Mondongo's hueso de la semana:

To Kansas City running back Kimble Anders for trying to catch a Joe Montana pass with his shoulder pads at the end of the first half of the Chiefs-Bills game. The pass would have gone for a touchdown, leaving KC down by only 7 going into the locker room, with the Chiefs receiving the ball to start the third quarter. Instead, safety Henry Jones snatched up the free ball for an interception about as quickly as your humble scribes will be downing the free booze at The Tech banquet tomorrow night, securing the victory for the Beautiful Losers.

Trivia Question of the Week

In what Super Bowl did the "I'm going to Disney World" commercial first appear in and who said it? Send answers, comments, and predictions to sports@the-tech.

Answer to last week's question: Houston (Bluebonnet), Pontiac, Mich., (Cherry), and Orlando (Tangerine). Kudos to Neal Rappaport G who got it right. He wins a free set of Lorena Bobbitt autographed steak knives. We understand they are great for slicing meat, sausage, and even bananas.

Sir Vix Picks

'Boys 28, Bills 20: An easy call when you look at the streaks: No team has ever come back from losing three Superlative Bowls in a row to win one. No team from a city that rhymes with "Muffalo" has ever won a Super Bowl. No team with Leon Lett has ever lost a Super Bowl. No team has ever lost a Super Bowl rematch, etc.

Bud 21, Bud Light 12: With all the fuss about the first ever Super Bowl rematch, it's easy to lose sight of the fact that these two squads have faced each other in each of the last 6 Bud Bowls. The Sam Adams Winterlagers are much better than

either of these two, but just don't have the size to compete. Bud Light is coming off a tough championship game versus Poland Springs, mainly because it was so difficult to tell the teams apart. With the highly effective Boston area boycott of Bud now over due to the sale of the Pats, the King of Beers should come out on top. Long live the King.

Rumblings from around the 'Tute

While in town for training with Sun microsystems for Martin Marietta (the world's largest aerospace firm), Jim O'Bryan (not the former kicker for the Colts), Bob Adkins, and Dan McClure (no relation to Bob, former pitcher for the Brewers) from Possum Trot, Ky., left us this gem: "If the season had lasted 4 weeks longer, the Bengals would have made it to the Super Bowl. By the way, everyone back in Possum Trot and Monkey's Eyebrow, Ky., always go with The Picks."

This prediction and newsflash just in from Steve Hao '92, med student in the City of Brotherly Cheesesteaks: "You heard it here first: the Penn Quakers will be Ivy League champs in both football and basketball this year. In other news, upon announcement of our new university president nominee, Judith Rodin, fifteen women streaked through the Quad (it was actually a second annual streak, but the timing of their exposure was too amusing to pass up). On the front page of the Daily Pennsylvanian one sees a huge picture of Judith Rodin with the caption "Madame President" and underneath her you see eight bare rumps with the caption, "Bold, cold women hit the Quad." One male spectator was quoted as saying, "They've got bigger balls than I do."

From spunky Mike Miller '95: "Since you guys put Earl Morrall in the 'Where Are They Now' section in the last issue, I thought I'd tell

you. He goes to my church right outside of Ft. Lauderdale, Fla., and owns a driving range down there as well."

Super Bowl XXVIII Preview

The Bills must be the favorite team of Bob Seger, because they can best be described as Beautiful Losers. Three times they have tried in the Super Bowl, and three times they have failed. It is hard to figure that they will do anything differently this time around. On the one hand, they have been dominant in the AFC for the last 5 years, no small feat in the NFL due to the difficult schedule and low draft picks for division winners. On the other, they have been soundly trounced by far better opposition in the Super Bowls (except for the Giants who dominated them with superior ball control). How can this be the case?

On the good side, an immeasurable amount of credit must be given to Marv Levy, who has not only been a superior tactician, but has also managed to keep his team focused and motivated for 5 years at times when it would have been easy for the team to quit. Credit must also be given to former GM Bill Polan for turning around a sorry franchise that played in a stadium rivaling only Foxboro in shabbiness and for amassing such a wealth of talent (Kelly, Thomas, Smith, Bennett, etc.) and keeping them happy. During a time when top draft picks wouldn't play for Tampa Bay, the Bills management turned their number ones into All-Pros, with their players having to live in Buffalo to boot.

On the down side, however, it can be argued that: 1) the AFC as a whole is not as good as the NFC, especially in post-season games in which mistakes are costly, players are banged up, and the NFC style

Argue, Page 25

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Baseball Hall of Fame Committee Needs a Clue

By Mike Duffy
and Andrew Heltner
SPORTS COLUMNISTS

A hearty *Let's Argue* welcome back to all of our faithful readers. With all of those football games on and the start of Big Monday, Super Tuesday, etc., we hope you were able to find time to do something constructive this past IAP. Before we dive into our Super Bowl preview, we must address some other sports topics. ...

Although it was a senseless act of violence, the manner in which the Nancy Kerrigan case was handled was a little extraordinary - to say the least. Assigning the FBI and a special unit from the Detroit Metro Police to investigate the goings-on of a woman getting whacked on the leg with a rod is a bit ridiculous. The Motor City is not known as the safest city in the hemisphere, so it's not like Detroit's finest had time to spare. Likewise, the Feds should have something better to do than to track down Nancy's attacker (she wasn't even left in the hospital overnight, by the way). As soon as other crimes are solved in such a swift manner, then can our tax dollars go to solving such relatively trivial cases. Unless, of course, the FBI wants to investigate and solve the mystery of why our damn furnace won't work for more than two hours in a row. ...

By the way, how is it possible that a gorilla of a man like Shane Stant can hit a 24 year-old woman in the knee with a solid metal rod and cause damage only so minor that Nancy could be not only ice skating within a week, but skating at a Olympic caliber level within two weeks? And how could any group of thugs not looking to get caught, leave a paper trail longer than the

line to get a LaVerde's sub at noon at every place that Kerrigan was at for two weeks prior to the attack? As juicy as the Hard Copy episodes and USA "Up All Night" movies for this escapade are going to be, wouldn't it be even more outrageous if this entire scheme was actually masterminded by someone in Kerrigan's entourage as a publicity stunt for the Stoneham Biscuit?

It's time for the Baseball Hall of Fame committee to wake up and get a clue. Players should be on the Hall of Fame ballot for 3 years, max. This practice of allowing players to remain on the ballot for 15 years is ridiculous. When a player is brought up in conversation, there should be no debate over whether he belongs in the Hall; he's either a Hall of Famer or he's not, case closed (this is a sensitive issue here at *Let's Argue* as the great-great uncle of one of your humble scribes is enshrined at Cooperstown). Why should a player be able to put on a media blitz in the last few years of his eligibility (see Orlando Cepeda and Ron Santo) in order to woo some more votes from the Baseball writers? If he did not get into the Hall during year three of his eligibility, what the hell has he done that makes him a shoo-in during year fifteen? Nothing, save some serious butt-kissing. Three years of eligibility is enough and should be used for the following reasons: First, only the truly exceptional deserve to be voted in during their first year of eligibility (Aaron, Ruth, Cobb, ROSE). Secondly, voters won't put more than five players into the Hall during any one year. Therefore, on the off chance that someone wasn't voted in because he was in the same class as 5 other Hall of Famers, he would have the opportunity to get

voted in the next year. Therefore, a player should get 3 chances to make it to Cooperstown before he is removed from the ballot. This would also spare everyone the charade of seeing Phil Neikro, Bake McBride, and Dave Kingman's name in the news each year, instead of fading into trivia question anonymity, where they belong. Besides, isn't it three-strikes-and-you're-out at the old ball game?

We take this time to give a hearty *Let's Argue* "Two Thumbs Up" to ESPN's Prime Time highlight show, an hour-long wrap up and comedy extravaganza for the pro football junkie, sandwiched in between the end of the 4 p.m. game and the start of the Sunday night 8 p.m. contest. The best part of the show is that the crew — Chris "Boomer" Berman, Tom Jackson, Joe Theisman, and Robin Roberts. — shows all the relevant plays in a game; for instance, the 12-yard run on third and five and the 18-yard pass play that really set up a score, not just the "highlight" of the full-back lunging over from the one. The analyses are also superior to what is usually found on one of the shows on the networks. Jackson and Theisman are straight forward and accurate with criticisms and salute offensive linemen who played well for a losing team, quarterbacks for winning teams, etc. A telltale example of the greatness of the show came during the last week of the season, when several playoff spots were still up for grabs. When the Raiders-Broncos game went into overtime, cutting into the first half of Prime Time, the crew let Robin describe all the meaningless games (as is always the case), and saved the important games for Berman to do during the second half of the show

when people were actually watching. And of course, the show has Chris Berman as Chris Berman: Vince Workman "My Way Back to You Babe" and Chris "HiDe HiDe HiDe Ho" Calloway. ...

The NFL must be as happy as the NBA is that a strong rookie crop played well this year, ensuring the league of having stars of the future. Aside from the well-publicized Irish backfield of Rick "No Time To Wallow in the" Mirer, Jerome Bettis, and Reggie Brooks, Drew Bledsoe and several running backs stood out: Natrone "Refried" Means (SD), Ron "For a Few Dollars" Moore (Phoenix), Eric Peagram (Atlanta), Terry Kirby (Miami), and two 'Sotans, Scottie Graham and Robert Smith. Bledsoe has the best tools, and is going to be the best QB in the NFL in 3 to 4 years — his experience coupled with the retirement of some of the greats.

For the runners, look for Smith, if he stays healthy and gets the PT, and Moore to have great careers. Receiver/returner OJ McDuffie stood out this year, while the Saints' Willie Roaf was the best rookie offensive lineman. Of course, Dana Stubblefield was an excellent choice for defensive rookie of the year. ...

Why did the Giants look so flat against the Niners and the Raiders run out of gas in the second half versus Buffalo? It is a result of bonehead scheduling by the Lords of the Gridiron. Both the Giants and the Raiders had to play with only six days of rest, while their opponents each had 13. LA had to play the late game on the West coast, then travel across the country (losing 3 hours) and play the early Saturday game against the Bills, while the Giants also had to cross the continent and play a day early after beating the Vikings, who had nine days off prior to the game in the Meadowlands. Of course this is supposed to be the advantage of winning the division, instead of a wild card, but the advantage is too great, especially in light of the fact that both KC and Green Bay, who played on the first Saturday, could easily have played on the second Saturday, instead of getting eight days' rest. Also, the Giants had a better record than the 'Niners, but didn't have the luxury of playing in a division in which the next best team was 8-8. Yet, as is always the case, when the television execs bark, the NFL listens.

The current power struggle between the National Association of Basketball Coaches (NABC) and the university presidents goes far beyond Prop 42 (in which the NCAA would have restored a 14th scholarship to be used by Division I schools) and it certainly isn't a racial issue. For years, the presidents have dictated the rules by which the NABC must adhere to — rules made without input from coaches. The failure of Proposition 42 to pass simply brought the pot to boil. A walkout by NABC or BCA (Black Coaches Association) members would be a strong message to University Presidents, implying that enough is enough and that its time to incorporate coaches into the decision making process. The following lists some of the critical issues that led to the current situation:

1.] Prop 42. In Division I-A football, teams are allotted 85 scholarships. With 22 position players per team needed (players can double up for special teams duties), this translates to a 3.9 ratio, compared to 2.6 for basketball. It is not as if football produces 150 percent more revenue for the university (as their administration and travel costs tower over those of basketball programs - in which \$250,000 is the average basketball budget at D-I schools). In fact, most basketball programs contribute more to the bottom line than football does. Additionally, for a basketball team to practice full tilt, ten players are needed (for 5 on 5). If a player is hurt, needs a sub, or misses practice

because of a class, the coach recently has only 3 subs to replace from. Contrast football where the coach has players shooting the breeze on the sideline.

2.] Changing the date practice can start from Oct. 15 to Nov. 1. This caused a lot of injuries to players unprepared for the rigors of the season. Coaches, rushed to field players with all of the offense and defensive sets, were not properly conditioning their players, leading to a rash of injuries that should not have occurred. This starting date change so that student-athletes could concentrate on school about Division I-A football start practice in the spring. (us if we are wrong, but the final college football game of the year is the end of August.

3.] Players getting paid. This is a sensitive issue throughout NCAA, not just with the men's basketball players. Some of the rules governing players are insane (for example, a coach is barred from giving a player a ride home from the gymnasium). Subject of players getting paid, however, is analogous to student receiving stipends for research performed at a university. At the graduate student works on a project for a professor and receives a stipend in the form of free room and a monthly stipend in the amount of \$1200. In return, the graduate student is expected to put in 20-30 hours of work on the project. Projects bring in bring in money and additional projects to the money upwards of 100K or so.

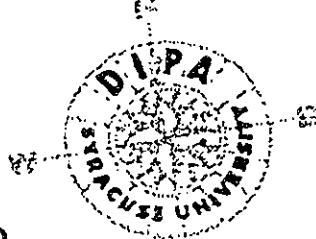
A basketball player at a school gets tuition and room and board covered, but no extra money for spending. Yet he brings millions of dollars to the university (besides shoe contracts, tele contracts, and tournament revenue). Think of how many replica jerseys the colleges sell - like Michigan's #4 at Michigan) and 20-30 hours a week "work". Additionally, he is not permitted to hold a job during the school year, receive any other form of financial aid (i.e., outside scholarships). Think of undergrad student who have full financial aid packages also (a) hold part-time jobs in order to have some extra flow (causing them to receive \$1,000 awards from various societies for papers written, research done, or being a son/daughter of an employee (money which is generally paid). This is all illegal activity for I and II players. If you take away from athletes, then take away from all full ride scholarship recipients (Merit scholars included). Lastly, think of all the free training and advertising athletic companies provide to their respective universities every time they are on the field. When Doug Flutie reigned supreme at the Heights, Boston College received over twice as many graduate applications for admission than in the pre-Flutie era.

Coincidence? Likely not.

4.] Gender equity. While we agreed that women should have equal opportunity to participate in athletics, some measures undertaken in an attempt to achieve this have been unfair. The most obvious is evident in the case of a lawsuit by the USC women's basketball coach, Marianne Stanley. She sought equal pay as George Fanning, the men's coach. She argued that since both performed the "job," so both should be paid the same. What she failed to recognize, however, was that the men's program brought in millions of dollars in revenue to USC and partially funded not only women's basketball but additional sports as well.

To draw upon a real world example, do you find it fair that a worker because you (1) have the same job title and (2) are of

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Hoopsters Maul WNEC Golden Bears

By Thomas Kettler
STAFF REPORTER

Aided by the Western New England College Bear's 40 fouls, the men's basketball team shot 43 for 64 from the foul line in a 84-78 overtime victory Wednesday. The team improved its record to 5-7.

At the end of the first half, the Engineers led 38-37. The half included a 11-2 run by the Engineers in the first four minutes. But the Golden Bears took the lead at 20-19 with nine minutes left in the half after the Engineers ran dry.

After that the teams traded leads five times before center Mark Heffernan '95 closed out the scoring for the half with a free throw with 41 seconds left, one of the eighteen MIT scored in 28 attempts for the half. Meanwhile, the Engineers shot just 30 percent from the floor for the half.

Individually, starting point guard Nikki Caruthers '95 led the team with 12 points, aided by a 9-for-11 performance at the line. Starting center Keith Whalen '96 had nine and starting outside guard Randy Hyun '95 eight as the other lead scorers.

The second half ended 70-70 when Eric Copeland of WNEC was fouled on a 3-point attempt with 31

seconds left and made all three free throws while MIT failed to score afterward. It closed a half that had six lead changes, the last that had MIT leading 66-65.

In the overtime period, Whalen scored nine to lead the team to victory including two 3-point plays. But Ken Fortin of the Golden Bears had the best shot of the game with Randy Hyun '96 in his face, by canning a 3-pointer that touched nothing but net.

The shot got WNEC back to three with 12 seconds left. Hyun got one of two free throws to close out the game and finish the scoring.

The Engineers won the game at the line shooting 43 of 64 free throws, while the Golden Bears only shot 16 of 24. Neither team shot well from the floor, shooting 36 percent and 34 percent, respectively.

Individually, Caruthers led the team with 25 points before fouling out with one minute left in the second half. The other scorers in double figures included Whalen, Hyun, and Heffernan with 23, 17 and 10, respectively.

Heffernan also grabbed fifteen rebounds and blocked five WNEC shots to lead in both of those categories.

Stats Show Reversal For Anna Maria

Casserberg, from Page 32

McHale made the two shots at the line to put the game out of reach. MIT continued to make a comeback effort, but the Amcats continued to grab rebounds, forcing the Engineers to foul opposing players in order to stop the clock.

Another trip to the foul line allowed Anna Maria to add another point, bringing the score to 69-63.

The statistics showed a definite reversal of fortunes for the two teams. MIT field goal percentage dropped from 46 percent in the first half to 32 percent in the second half.

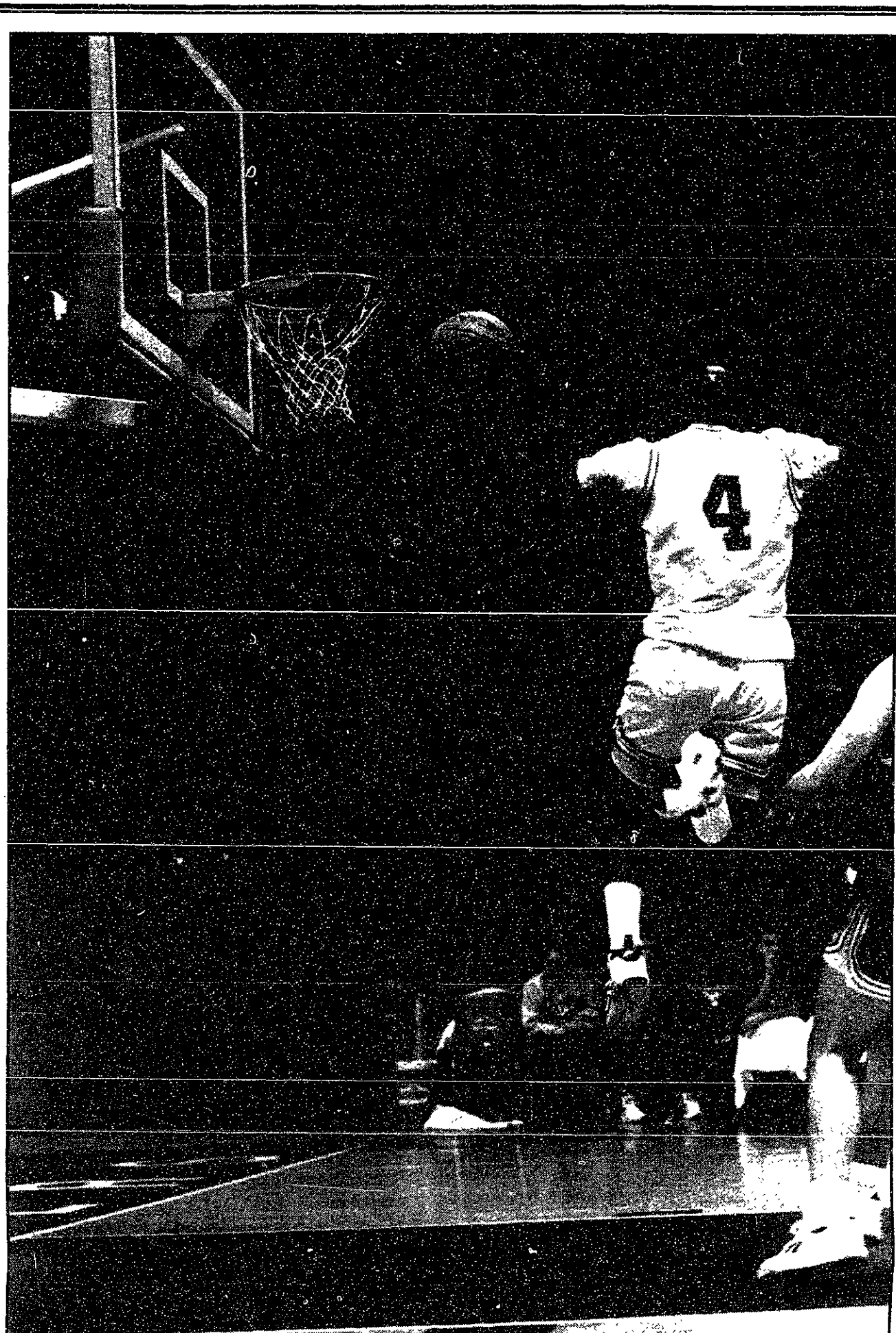
Anna Maria, whose players were only 9 for 29 in the first half, improved to 56 percent in the second half, making eight more baskets in the half than the Engineers.

The Amcats took only two shots from three-point land, but the one that cleared the hoop turned out to be the game-winning basket. The Engineers also displayed a lack of outside shooting, making only one of four attempts.

Fouls made a big difference in the game. None of Anna Maria's starting players had more than two fouls, while the entire team committed only nine fouls, granting MIT only twelve free throws.

At the same time, MIT had 19 fouls, with two players fouling out. The percentages were roughly the same, but the Amcats made 12 of 20 shots from the foul line.

Rowe attributed the result of the game to her team's inability to put together two halves of effective play. The Engineers had experienced similar situations in the past two games, where they took a lead, only to lose it at the end.



Nikki Caruthers '95 leaps up for an easy shot against Suffolk University.

THOMAS R. KARLO—THE TECH



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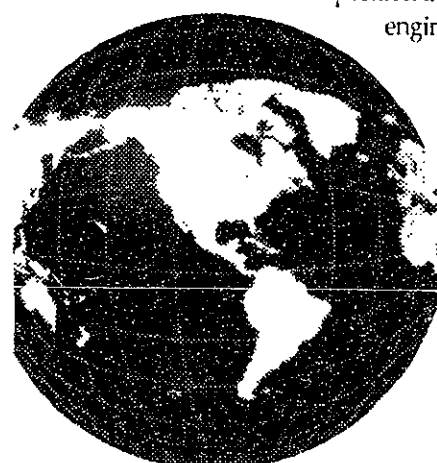
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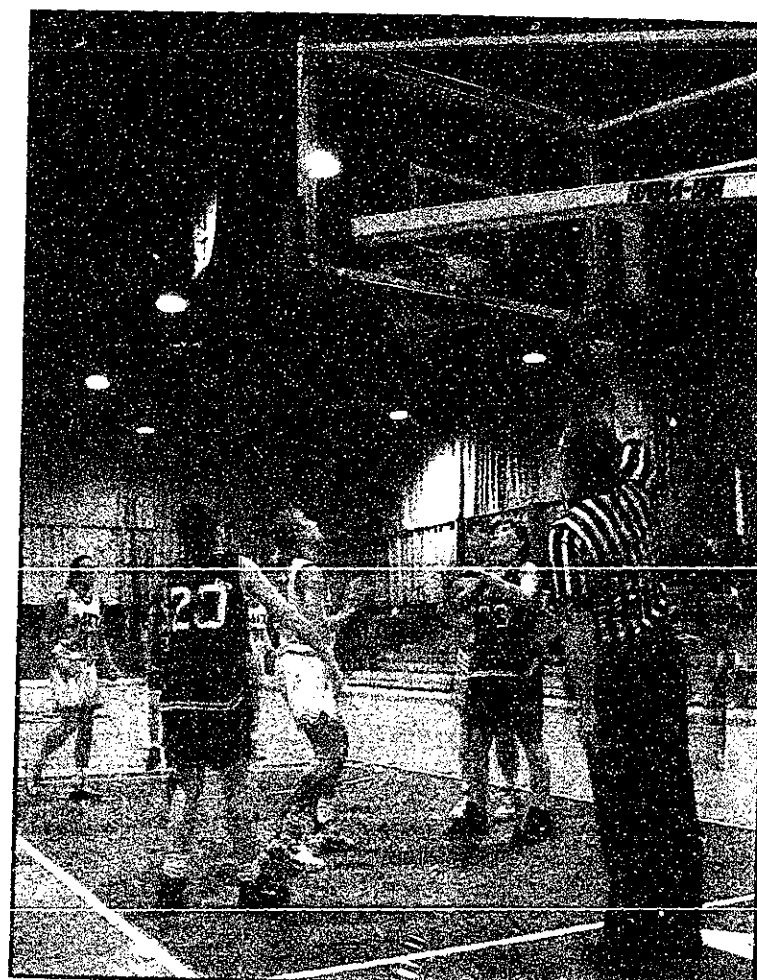
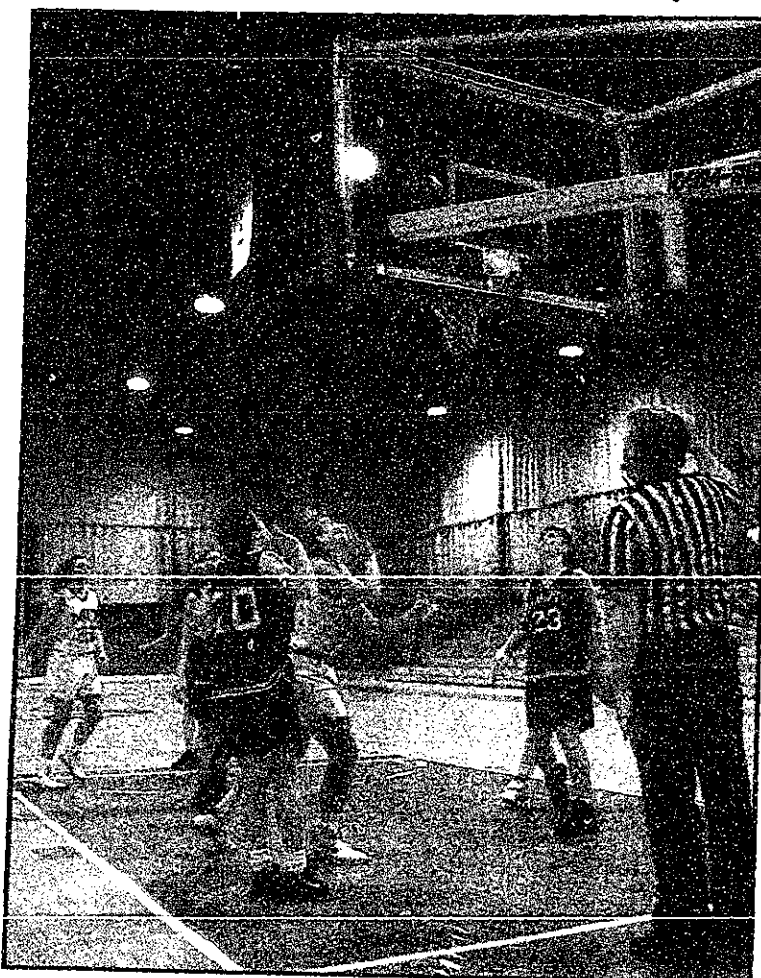
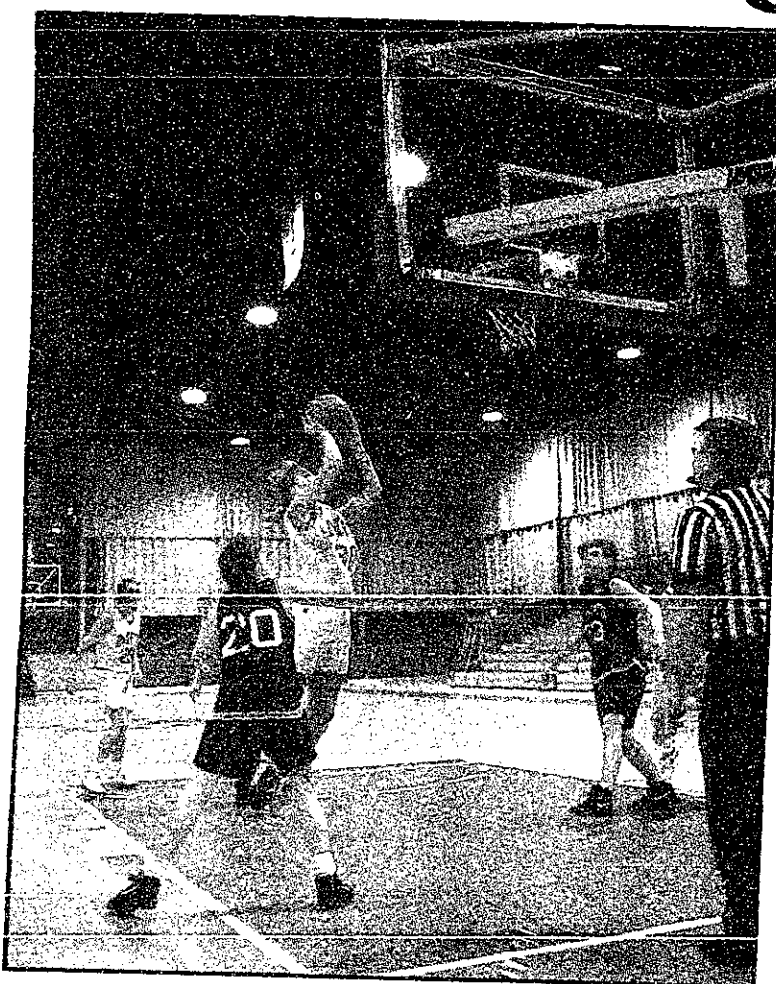
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SPORTS

Casserberg Scores 1,000th Point



Four minutes into the game, Mari Casserberg '94 receives a pass from C.J. Doane '95. Casserberg then leaps up in the air to shoot against Anna Maria College. Half a second later, the ball bounces off the backboard. The ball then drops through the hoop to give Casserberg her 1001th point.

By Daniel Wang
STAFF REPORTER

When the women's basketball team took the floor at Rockwell Cage, Monday night against Anna Maria College, the situation seemed like just another game.

The goal that Mari Casserberg '94 scored off of a pass from C.J. Doane '95 seemed like any other. But the basket scored about four minutes into the first half was one of the biggest of her athletic career, and in the history of MIT athletics.

The crowd went wild when Casserberg took the ball in front of the basket, bounced it off the glass; it hit the rim and fell through the net.

Casserberg had become the second player in women's basketball history to score over 1,000 points. The game stopped for a few minutes, as people came onto the court to congratulate her.

Casserberg added nine more points to end the game with 1,009 career points, placing her thirteenth among MIT's all-time scoring lead-

ers, and second among women.

It would have seemed fitting for her team to win the game the same night, and for a time it looked like the Engineers would win. They led by a fairly wide margin for most of the game, but the Amcats made a comeback to tie the score late in the game, and then go ahead to win, 69-63.

The team has lost four consecutive games, and now stands at 4-8 for the season.

Throughout the first half, the Engineers seemed to take advantage of poor shooting and sloppy ball handling from part of Anna Maria. With the Amcats displaying a lack of inside defense, MIT players were able to penetrate for easy baskets.

Casserberg scored her first two field goals on fast break layups. MIT had its biggest lead with around nine and a half minutes remaining in the first half, with the score 20-5. Several time guard Tammy Porter '94 was able to catch her defender looking the other way and had many fast break opportuni-

ties.

The Engineers had the lead for the entire first half. After the ten-minute mark, the team led nearly the whole half by at least ten points. After Anna Maria brought the score to 29-20 with 3:14 left, coach Suzan Rowe called a time out.

The players had a chance to regroup, and the scoring started again. With 1:20 left before half-time, guard Sarah Davis '97 drew some amazement from the crowd when she cleanly slapped a field goal attempt out of the air. The Amcats' inability to put the ball through the hoop helped the Engineers to a 35-23 halftime lead.

The Engineers seemed to be able to maintain the lead throughout the second half, but were stunned by their opponents, who inched closer at every moment.

Six minutes into the second half, MIT increased the lead to 47-31. The play seemed uneventful until 7:50, when the Amcats were surprisingly back into the game by cutting the lead to six points, the score

53-47.

Soon afterwards, Davis canned a three-pointer to give the Engineers some breathing room. Or so it seemed. The Amcats started making baskets and generated a scoring run. In less than thirty seconds, the opposition made two easy field goals. MIT was able to match baskets with Anna Maria most of the way, and things seemed like the Engineers might be able to pull a win off.

At 3:53, a tip-in allowed Anna Maria to finally tie the game, 59-59. Seconds later, Doane rejected a shot and allowed the Engineers to regain possession of the ball. Amy McKay '97 scored at 3:00 to put MIT back up 61-59, but moments later, fouled Amcat center Holly McHale, who sank the two resulting free throws.

MIT went back up 63-61, but another foul helped the Amcats come back. At 2:03, McKay was again called for a foul. Although the one-and-one free throw missed, a teammate grabbed the rebound and scored for two points, to tie the

game again.

With about a minute left, Porter, who was looking for an open teammate, had a hasty bounce pass, into the hands of an Anna Maria player. It was the play that turned the game over to Anna Maria.

That player did not convert the turnover into points, but MIT had lost a valuable scoring opportunity. With 45 seconds to go, an Amcat three-pointer turned out to be the winning basket. On the offense, Casserberg tried to respond, but missed a layup. She fought for the rebound, but the referee called a jump ball, giving possession to Anna Maria.

With 35 seconds left in the game, McHale grabbed a loose ball and went on a breakaway to the other goal. Casserberg ran her down and fouled her in a desperate attempt to prevent an easy basket.

McHale was not able to put up a shot, but the foul was Casserberg's fifth, taking her out of the game.

Story, Page 31

Men's Track Team Finishes 130 Points Up, Extends Streak

By Bo Light
TEAM MEMBER

The MIT men's track team ran (literally) its record to 10-0 this weekend in a romp over Bowdoin, Colby, Westfield State, and Worcester State. The Engineers again were dominant in the field events and long distance runs, and they finished the meet with a whopping 253.5

points, more than 130 points ahead of second-place Bowdoin.

In the field events, Eitan Sabo '97 scored his first points of the year by taking sixth in the 35 lb. weight throw, and John Wallberg '96 placed second in both the weight throw and the shot put to start things off for the Engineers. Matt Robinson '94 won the pole vault for the 184th consecutive week, while Freddie Hernandez '95, Jeremy Melvin '97, and Bill Arnold '94 took the third, fourth, and fifth scoring places.

MIT showed its true dominance of the meet in the jumping events, where Andy "Jumpin' Joe" Ugarov '95 won both the high jump (6' 7") and the triple jump (43' 5"), and all four MIT competitors scored in two of the three events.

In the long jump, Hung Hoang '96 soared to first place with a 20' 10 1/2" leap, Morio Alexander '96 took fourth, Micky Williams '94 took sixth with a 19-foot jump, and Elliot Hui '94 grabbed eighth place. In the high jump, James Kirtley G jumped 6' 5" to take second to Ugarov, and Hoang finished in a fifth-place tie. Hoang then finished second in the triple jump, with Hui

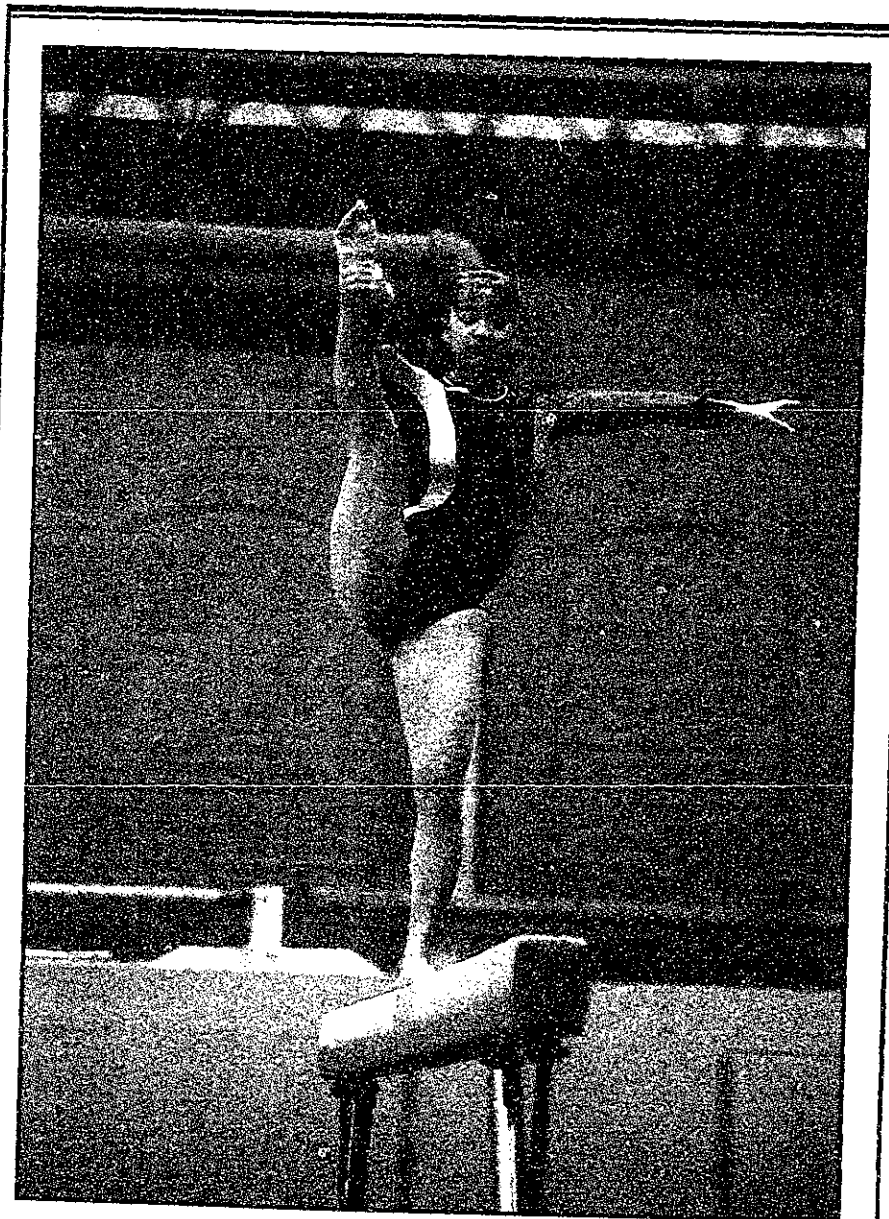
right behind in third, and Alexander in sixth place.

In the running events, the Engineers seemed to grow stronger as the distance increased. Jay Chiang '94 edged out a competitor for fourth place in the 55-meter dash, while Brian Pendleton '94, settled for sixth, and Akin Aina '95 took eighth.

Matt Robinson took a short break from vaulting to finish third in the hurdles; Paul Ogagan '97 was fourth, and Ed Cho '94 picked up seventh place for the team. Marcelo Targino '96 placed fifth in the 200, with Aina and Pendleton taking sixth and seventh, respectively.

Only three running events were won by MIT runners. The first of these was the 400, which was won by Dan Corcoran '94. An impressive pack made up of Elliott Mason '94, Frank Benham '97, and Edgar "I'm not a freshman" Ngwenya '96 finished fourth through sixth in that event.

Another pack - Kevin Knoedler '94, Targino, Javit Drake '94, and Bo "please let me run this" Light



The women's gymnastics team lost against Southern Connecticut State University on Saturday.

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