Nuclear cargo stirs Cambridge

By Tony Zamparuti

Planned shipments of radioactive materials from Oak Ridge, Tennessee, to the MIT Nuclear Reactor Laboratory (NRL) have generated local controversy over the trucking of such materials through the town. Proposed city ordinances on transporting radioactive materials and a recent Cambridge Chronicle article about the shipments have put the subject in the spotlight.

NRL will receive shipments sometime this spring, each containing a thousand pounds of iridium-113. The shipments are part of an MIT experiment researching materials for nuclear fusion reactor walls.

The materials will be sent to Oak Ridge, where they can be "activated" much faster than at MIT's reactor. They will then be shipped back to MIT for analysis.

Lincoln Clark, director of operations for the lab, believes that the controversy arose when it was discovered that MIT needed, and obtained, an amendment to its Nuclear Regulatory Commission (NRC) license to receive this material. The license was needed because the provisional license allowed the lab to store materials irradiated only at its own reactor, and not at another reactor.

Lincoln said that shipping radioactive materials is very safe "in comparison with other hazardous materials, such as gasoline, because there is a great deal of care. When you have to meet Department of Transportation and NRC regulations, I think things are pretty well under control."

The most hazardous shipments involved with the MIT reactor are those removing spent reactor fuel for burial. Such shipments have occurred nine times since the reactor began operation in 1958.

Analysis

US "attack" on El Salvador?

By Alain d'Elosee

The six freshmen who lived in Ashdown House last term are "all assigned to dorms of their next first choice" for this coming term, according to Barbara Clark, Administrative Assistant to the Dean for Student Affairs.

Whether the six freshmen will have lower or higher room priorities than the freshmen who resided in the dorms last term will be determined by "the good judgement of the room assignments chairmen," said Clark.

Three of the freshmen are assigned to Baker House, two to East Campus, and one to Burton House. The dorms are expected to have final room assignments made by Registration Day. One of the freshmen assigned to East Campus, Hsia-Fu Fugi, explained that the room assignments chairman, Chip Palermo '82, said that there would probably be a choice of rooms, but that he could not guarantee it.

Ed Greenstein '84, a room assignments chairman for Burton House, said that the freshmen assigned to Burton will be offered a double-occupancy room. "Double-occupancy rooms are very prime [rooms], since most freshmen live in triples, ... and due to a low turnover last term ... a double opened up," said Greenstein. However, the freshman "will probably be given lower priority next term."

The six freshmen were charged a rent of $84 for their stay at Ashdown House. Clark explained that they were charged rent starting November 7, when they turned down spaces at Random Hall and East Campus. The rent period was from November 7 to December 19, a period of six weeks, so the freshmen were charged $6/2 of the base rent. The base rent was $569—the same rent charged for a MetGregor lounge—which is somewhat comparable to where they were in Ashdown," noted Clark.

Fugi said that he did not move into East Campus when offered a room there in the middle of the term because the freshmen there made it clear that they did not wish to have a roommate. Whenever a room opened up at East Campus, the freshman on the floor were allowed to overcrowd. Not wishing to overcrowd again, a freshman would discourage any Ashdown freshman from being his roommate, according to Fugi. One East Campus freshman discouraged the Ashdown freshmen by telling them that he always kept his room at full bloom and that he needed a lot of space.

"It's not that we didn't want to move into East Campus—we just didn't want to move into a worse situation than we had here," noted Fugi. "As soon as a single room opened, they should have offered it to us of a week, instead of letting East Campus freshmen un-crowd into the room."

Most Ashdown graduate students were apathetic to the situation of the six undergraduates residing in their dormitory. "The graduate students didn't make an effort to get to know us, but they didn't complain either," commented Suresh Subramaniam '84, another of last term's Ashdown freshmen residents.

The Amazing Aroskin was truly amazing. If you missed the show, you'll have to wait until next time, or see the photos, page 6, and story, page 7.

Steely Dan are back to their old tricks with their latest release, Gauccho. Page 8.


MIT's hockey and track teams win, page 16.

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Integration Bee

Above: Pushing to check his answer, Ali Borhan '83 went on to win every successive round in MIT's first Integration Bee. This unique event was the brainchild of Andy Bernoff, a third year applied mathematics student who felt that integration was just as fundamental to mathematics as spelling was to English.

Left: A contestant looks on as Andy writes a problem. Each contestant was given one minute to do the integration. In later rounds harder problems were given and the time limit was increased to two minutes.

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Nation

Reagan and Haig underline tougher foreign policy — President Reagan promised "swift and effective retribution" for any attacks on overseas American Government employees as he welcomed home the 52 freed hostages Tuesday at the White House. Secretary of State Alexander Haig yesterday, in his first press conference, pledged a tighter US foreign policy stance by hinting at the threat of US military force in dealing with international crises.

Oil deregulated — President Ronald Reagan signed a bill yesterday to decontrol all domestic oil effective immediately. You will be paying one to three cents a gallon more for all petroleum products today as a result of this action.

US R&D may increase under Reagan — An annual forecast of research and development expenditures by Battelle Columbus Laboratories anticipates "the new Administration's posture relative to business and industry may provide an atmosphere more conducive to industrial R&D."

State

Proposition 2 1/2 to cause cutbacks in local services — The effect of a lowered property tax for Massachusetts residents may be a one-third reduction of Boston firefighters and a one-quarter reduction of Boston police officers, according to the commissioners of city fire and police departments. Governor King's proposed budget will be of little immediate relief for localities, but state aid is expected in the near future.

Weather

Today will be the last day of pleasantly warm weather for New England. Generally cloudy today with a chance of some occasional flurries. Highs 30-35. A cold frontal passage will bring brisk winds tonight and chilly temperatures in the upper teens. For Friday, sunny, wintry, and cold, with highs only 24-28. Lows Friday night 16-17 and continued brassy. Chance of snow 50 percent today, 10 percent tomorrow.
Steve Solnick

Music of the Domes

Eighteen months ago, in the first column I wrote for these pages, I said, "I hope to see this column in place on the standard evening television schedule — that is to say, on issues I consider important because this is after all, my column. I'll try to be objective, usually. And I'll try to be brief."

As I sit before my typewriter now to write the last column I shall write for this space, I would like to summarize what I have accomplished, what I have failed to accomplish, or even what I can’t.

I've wasted this for a few days now, but I seem only able to conclude that I was rarely brief. And maybe not too objective. But I can’t for the life of me break the last eighteen months into little failures and successes.

We've talked about Burger King and buttons, Draft protestors and DeVos, Gimbels and Genetics, Nicoo Gardens, Sending your kid to MIT, Death.

Something about a student's death due to cancer touched a nerve in me, and I tried to share my feelings with you. A number of you gracefully let me know that I had. An acquisition died suddenly in Israel and I felt disoriented at losing somebody I knew. Much later a friend committed suicide and I cried as I wrote his obituary.

I long to continue writing about it, for there is so much to say, but that's enough.

One of my great sadnesses about MIT is that it sometimes masks those changes. Students are too busy being trained for a career to be aware of the changes. Students are too busy being trained for a career to learn how real life and learning is. The subtle, ever-changing harmony of life and learning is happening around us every day, every second, in thousands and the newspapers hungrily, aloofness. All too often we simply lose our sense of wonder and distort the management of MIT and its community as separate from the education for which many people see it. There is a great temptation for this community. MIT people simply don't see the world in the same way we do. And that's enough.

One recurring theme I found is the special nature of the MIT student. Most are young, most are very busy, most are well enough.

Two themes in particular emerge as I read my thoughts of the last forty or so columns. One is that the MIT administration frequently stumbles, in my opinion. The administration is not out to 'screw the students,' but sometimes their preconceptions can have the same effect. The other is not for small-minded, single-issue people. But they are there anyway. And anybody in the faculty or administration who is capable of removing his or her blinders can only hurt the community.

MIT is breaking up all too readily into special interest groups. Before our very eyes. There are faculty who view other students as constituents of a club, not students of a community. The other recurring theme that I found is the special nature of the MIT community. MIT people simply don't see the world in the same way that many other people see it. There is a great tendency for this foremost center of scientific education to nurture technological aloofness. All too often we simply lose our sense of wonder and distort our sense of the absurd.

Yet there also exists at MIT a great potential to replace aloofness with something more akin to the sense of science and technology in today's (and yesterday's, and tomorrow's) world. I have talked about this in previous columns about the enthusiasm that many people have for computers, and in the student activity offices. "Don't those people have anything better to do?" I find myself thinking. The most obvious danger with becoming obsessed with one part of college life is that it will result in poor grades, possibly leading to expulsion. Some years back, The Tech had to elect a "back-up" Executive Board, as it looked like the CAP was going to lose its seat in the student activity offices. "Don't those people have anything better to do?" I find myself thinking.

The other, more harmful hazard isn't as obvious. What saddens me is that these students are missing out on the whole other side of a college education. There is a large social and emotional education which, although never mentioned directly, is equally important. For most of us, coming to college means being exposed to a whole new environment, to new people, new places, that are there anyway. And anybody in the faculty or administration who is capable of removing his or her blinders can only hurt the community.

One of my great sadnesses about MIT is that it sometimes masks those changes. Students are too busy being trained for a career to learn how real life and learning is. The subtle, ever-changing harmony of life and learning is happening around us every day, every second, in thousands and...
feedback

GAMIT reaches entire community

To the Editor:

"Moderation and discussion are sorely needed." The Tech, Dec. 3, 1980, since considering the topic of homosexuality, I want to present some of the activities of GAMIT (Gay Amplification and Media Involvement Team), a club here on campus.

It's a member of the Boston Gay and Lesbian Task Force, which, among other things, provides a forum for gay and gsy women in the Boston area to discuss issues. The group is run by two people, both of whom are gay and have been involved with on a long-term basis. The club meets weekly, and members are encouraged to be open and accepting of others. The club aims to educate and support gay and lesbian individuals.

GAMIT reaches the entire community through various means, including workshops, discussions, and social events. The club is committed to providing a safe space for gay and lesbian individuals to come together and share their experiences. The group's goal is to create a supportive and understanding environment where everyone feels welcome.

Sincerely,

Laura Henry

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The Amazing Kreskin

Below: Kreskin demonstrates his non-hypnotic powers with volunteers from the Kreske audience. He says "There is no such thing as a hypnotic state."

Right: "I see..."

photo essay by Kevin Osborn

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The Tech

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Kreskin amazes
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By Michael Tavish

"The Amazing Kreskin" made a visit to MIT last week, courtesy of the Latinx Science Committee, and presented a show that captivated the audience of almost a thousand people. Many discussions of his act were discussed afterwards, i.e., "how did he do it?" Some were even convinced that Kreskin possessed extra abilities. But whatever the spectator's belief—skpticism, faith, or a neutral position—everyone was thoroughly entertained.

That, at least, is one thing that Kreskin certainly is a consummate showman. He only performed a half-hour "tricks," but they were couched in an intricate and fascinating patter that included bits and pieces of history, anecdotes, reminiscences, and, of course, the requisite build-up.

Kreskin claims to be a mentalist. He says that Margaret Mead once told him, "Kreskin, you're not a medium; you're a sensitive." Kreskin himself simply says, "The most important word in my life is empathy." He was pushed towards being a mentalist when, at the age of seven, he would play the game of "Hot and Cold." (Finding hidden objects) By far the funniest line of the evening was unintended. When making a point about how scientists are people, Kreskin asked rhetorically, "How many of you know people who live in labs?" The laughter and many raised hands bowl him over. When everyone recover, he admitted, "You're a great audience. You're cracked up, but a great audience." "I'll tell this story again," insisted a much bemused Kreskin.

Kreskin continually stated that at no time were there people asleep or hypnotized. According to Callen Johnson '91, "I didn't feel like I was asleep; I didn't feel like I was anything but wide awake." Guy Consolmagno said, "It didn't work until I let it. Then I couldn't open my eyes." Kreskin has a well-trained auditory mind.

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Sundays, 10:30am
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Sundays, 9:00am
Modern Hebrew, all levels
Times to be announced

**Outfits**
Knock Me Down
You Told Me
Boy's Life
Perfect Life

**More Trouble for Modern Man**
Modern Hebrew,水平, 周间

Two exciting local bands share the stage of this annual 45. The Outfits, "Knock Me Down", a straightforward punk dance music, I had to check that the record was playing at the right speed, and it's that, worth points in my book any day. It's a good representation of the Outfits' live sound. For some reason, they follow it up with an astonishing cover of the Monkees' "You Told Me", with what seems like John Lennon back from the grave for lead vocals. Eek!

Boy's Life starts with a speedy, "Perfect Life", which is listened with raised rock-cliches. It's real dandies, and the lack of a bass makes the instrumentation interesting. I'm glad I bought this instead of "Sushi Light."

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Heavy metal at Castle Donnington

Castle Donnington, live recordings of various artists, on Polydor Records.

Castle Donnington is a new live album featuring cuts by six moderately successful heavy metal bands, all recorded at the Castle Donnington Rock Fest in England this past summer. Both sides of the double load off with songs by Rainbow, featuring Ritchie Blackmore and bassist Roger Glover, both formerly of Deep Purple. Although the band has lost a little of its power since dropping vocalist Ronnie James Dio for the current sound of Perry Edwards, the same "Stargazer" proves that Blackmore's flaming guitar work still packs the punch evident on their early albums, "All Night Long." From the group's latest LP, Down to Earth, it is also enjoyable as Edwards roars the crowd to going wild in varying chants of the title refrain. Rainbow's live sound is a perfect parameter for the other hard rock pieces that follow.

Also featured here is the German band Accepton, currently riding high on the stateside success of their recent Animal Magnetism album while still maintaining their solid European following. Their contributions are live renditions of "Loving You Like a Head of Hair" and "Another Piece of Meat," both from their previous release Love Drive. Lead singer/guitarist Rudolph Schenker and vocalist Klaus Meine did a fine job of putting numbers that are good loud pieces for most listeners but princess gems for loyal European supporters.

Heavy metal fans will recognize most of the songs here even through the names of the bands.

Mark DeCew

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One of the year's 10 best.
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THE TECH PAGE 11

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POLICY SUPPORTS MILITARY REGIME

(Continued from page 11)

However, the distinction between the junta and the extreme right is fluid, if a difference can be seen at all. The participation or collusion of the government security forces in the acts of "right wing terrorism" mentioned above, the total failure of the junta to act against the paramilitary "death squads," $20 million in economic aid was restored by the Carter administration on December 17. The next day, the US voted in the Inter-American Development Bank to approve a $25 million loan to El Salvador. However, $5 million of "non-lethal" military aid remained in suspension.

Meanwhile, the political strife escalated. As the search-and-destroy offensive of the security forces continued in the towns and countryside, accompanied by the disappearance of thousands and the imprisonment of more than 2,000 suspected "oppositionists," the regime seemed ever less likely to control the excesses of the military or the right-wing "death squads." As Nobel laureate William F. Buckley, Jr., wrote in his weekly column, "The United States is now in the process of becoming a Latin American dictatorship." The December reorganization of the government continued to report "circumstantial evidence of possible security force involvement" in the killing of the American women. The new regime seemed even less likely to control the excesses of the military or the right-wing "death squads." $20 million in economic aid was restored by the Carter administration on December 17. The next day, the US voted in the Inter-American Development Bank to approve a $25 million loan to El Salvador. However, $5 million of "non-lethal" military aid remained in suspension.

El Salvador reached national attention a second time in early January following the assassination of two American labor reform specialists and a Salvadoran reform opponent in a hotel in San Salvador. Circumstances again indicated the participation or complicity of the security forces. But the other junta leaders expressed their commitment to the land reform, however, and attributed the murder to the "extreme right." No investigation of the killings has been reported.

In the first weeks of January both sides reported military advances, and although the death toll soared, it remained unclear whether either side was gaining ground. Because of reports and allegations of an infusion of Soviet arms to the opposition forces from Cuba and Nicaragua, the Carter administration restored delivery of the $5 million of "non-lethal" military aid on January 14 (23 million for transportation and communication equipment and $2.7 million for helicopter servicing). Then, on January 14, President Carter invoked emergency powers to authorize delivery of $5 million in combat equipment (including four Huey helicopters, M-16 rifles, grenade launchers, and ammunition) in addition to the original $5 million of "non-lethal" supplies. One report of outside involvement, given as evidence by the State Department when the combat equipment authorization was announced, turned out to be fabricated, and the claim was rescinded a week later.

The Carter administration claimed to be supporting a reform regime caught between elements of left and right.
notes

Lectures

A panel including D. Williams, Ambassador to the United States from Granada, will discuss "Conflict in the Caribbean: Socialism and the New Right" on Mon., Feb. 2 at 8pm in the Forum, Kennedy School of Government, 70 Boylston St., Cambridge. It is free and open to the public.

* * *

Fellows to the Institute of Politics, including former senator John C. Culver, will share their personal perspectives on politics in a panel discussion on Wed., Feb. 4 at 8pm. The free discussion will be held at the Forum of the Kennedy School of Government.

* * *

"You Can't Always Be There: How Do Your Children Cope?" will be the topic of Beth Israel Hospital's next Women's Health Discussion. Open to the public and free of charge, the discussion will be held on Wed., Feb. 11 in the Grossman Conference Center. $1600 for an approved project.

February Degree Candidates should make immediate payment of past due fees at the Student Accounts Office, Room E19-215 to avoid jeopardizing conferral of their degree.

* * *

The Student Accounts Office will be open Friday, Jan. 30 from 9am to 4pm for receipt of payment of payment and emergency loan fund. Students who have other financial matters to discuss may wish to attend the offices on Mon- Fri., 8am to 4pm. Normal office hours will resume.

Jeffrey L. Pressman Award in Political Science: all MIT Juniors are eligible for this award of $1600 for an approved project during the summer months. Application deadline is Feb. 23. Further information is available in room 3-234, x-7752.


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**Indoor Track**

photo essay
by Steve Cohen

Computer Scientists and Electrical Engineers
Career Opportunities with a Difference

| The Company | Major $260 Million Dollar Research Oriented Firm
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<td>Comprehensive Benefits Including Profit Sharing</td>
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<td>Dedicated to Technical Excellence &amp; National Contribution</td>
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<td>4100 Employees Nationwide</td>
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| The Projects | Computer Architecture & Microprocessing  
Software Engineering  
Data Base Systems  
Operations Research | Remote Sensor Systems  
Design & Engineering  
Communications & Information Theory  
Simulation and Modeling  
Human Factors  
Digital Signal & Image Processing  
Operating Systems  
Interactive Graphics  
C3I |

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<th>The Person</th>
<th>MS/Ph.D in EE or IE or CS</th>
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<td>Innovative, flexible, and articulate</td>
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<td>Strong desire for professional growth and challenge</td>
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<th>The Difference</th>
<th>Unique opportunity to work in rapidly expanding technical areas with new projects, facilities and equipment</th>
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<td>Recognition of the value of individual accomplishment</td>
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<td>Growth potential based on the individual</td>
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<td>Initial assignments tailored to interests and experience</td>
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**Campus Interview Date**
February 9, 1981

R. Adm. Robert K. Geiger, USN (Ret.)  
Science Applications, Inc.  
Sensor Systems Operation  
803 West Broad Street  
Falls Church, Virginia 22046  
(703) 241-7900
sports

sporting notices

The intramural weightlifting competition is scheduled for Sun., Mar. 15 at 12n in the duPont weight room. Weigh-ins will be held between 10am and 11:30am on Mar. 15 in the duPont locker room, with competition beginning at 12n. This year no rosters will be due. Any individual or team can show up on the day of the meet and compete. If there is sufficient interest, a separate meet for women will be held. Call Lew Bender at 362-3582 with questions.

This year’s intramural wrestling tournament is scheduled for Sun., Feb. 15 in the duPont weight room. Individual and team awards will be given. Weigh-ins will be due at 5pm on Fri., Feb. 6 in the intramural office. W32-121. No late rosters will be accepted. The seeding meeting will be held at 8pm on Thurs. Feb. 12 at DKE. On Feb. 15, weigh-ins will be held between 7:30am and 8am in the duPont locker room, with a rules and moves clinic at 9am. The first round will begin at 9:45am. Questions may be addressed to Brian Jacobs at 247-8275, or Bob McElheny at 247-8275.

On-Campus Interviews

Wednesday, February 4

Wrestling at Williams with Norwich, 1pm
Women’s basketball at Bacon State, 2pm
Women’s fencing vs. Holy Cross, 2pm
Hockey vs. Stonehill, 2pm
Squash vs. Amherst, 2pm
Women’s swimming vs. Trinity, 2pm
Men’s gymnastics vs. Coast Guard, 3pm
Men’s swimming vs. Trinity, 4pm
Men’s basketball vs. Amherst, 8:15pm

Monday
Hockey vs. Curry, 2pm

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Make an appointment today with your Career Planning & Placement Center. Or, for more information on AMD, call Sally Hazard TOLL FREE at (800) 538-6450. (In California, call (408) 732-2460, extension 2799.) Advanced Micro Devices, 901 Thompson Place, M/S 57, Sunnyvale, California 94086. An equal opportunity employer.

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FAMILY OF COMPANIES
Michalek’s 4 goals, 6 assists help MIT by Barry S. Surman

Beaver Captain Dale Malone fired a blistering wrist shot over the outstretched glove of Tufts goalie Chris Sullivan at 3:35 into the sudden death overtime to cap a four-goal comeback and defeat the Jumbos, 6-5. The comeback began with a shorthanded breakaway goal by Tom Michalek with less than six minutes left in the first period. Michalek scored again 31/2 minutes later, and Dick Meisner tallied with 1/2 minutes left to knot the score at five after regulation time.

The Beavers’ performance in the third and overtime periods was nothing less than inspired. After a lackluster, flat first period, they exploded with 19 shots on goal in the third, and in overtime to outscore the Jumbos 9-1.

Strong goaltending by Randy Dinnage, who turned back 38 shots, kept the Beavers in the contest, and the improving defensive skills of Captains Malone and Steve Schwartz impaired the Jumbos’ attack.

Michalek’s two goals and two assists gave him a total of 39 points for the season, breaking the previous mark of 36 held by Malone. Michalek and teammate Paul Dinnage also turned in record performances Saturday against the Worcester Polytechnic Institute (WPI) Engineers. Dinnage scored five times on four shots, and added six assists to set a mark in the opening six minutes, and added six assists to set a mark in the opening six minutes.

The Beavers jumped to a quick 4-0 lead on a goal by Wang, who only got plenty of personal freedom and day-to-day responsibility — you also get the chance to design your own future. Because nothing says you have to follow a certain path to success.

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For example, if you prefer to stay strictly on the development side of the business, you can move up to be a senior contributor, working on your own or with a team of your peers. On the other hand, if you’d like to lead others, there are plenty of opportunities in technical management — where you’ll supervise people and direct projects.

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For more information, contact Mary Ann Lyons, Wang Laboratories, Inc., M/S 1106, One Industrial Avenue Lowell, MA 01851.