City hears request for Biogen facility

By Richard Salt
The Cambridge Biohazards Committee (C.B.C.) held a public hearing Tuesday night on the Biogen Corporation's request to establish a laboratory and limited production facility in East Cambridge.

The request by the Swiss chemical company marks the first commercial venture into the city by a company involved in recombinant DNA technology. The firm would like to start construction within six months, and already has tentative site picks.

Harvard molecular biology professor Walter Gilbert is chairman of Biogen's scientific board. The company is analogous to a company's board of directors. Gilbert was a consultant to the Nobel Print in Chemistry last week for his work in discovering a method for identifying nucleotides.

"We would also be close to MIT and Harvard," testified Muller. "These institutions are at the center of the field." Muller did not explain why this proximity was desirable, but it certainly builds loyalties to any MIT patents.

The fourth reason is that Cambridge has shown itself to be most concerned and knowledgeable in recombinant DNA work. It is the only city in the US which requires all DNA work to comply with the National Institutes of Health (NIH) guidelines.

The NIH guidelines provide for varying degrees of control and hazard levels of experimentation. Mandatory for a facility seeking NIH funding, the guidelines prescribe four levels of protection, termed PI through P4. A P1 facility must ensure that any genetic material is kept in sealed containers and never exposed in the open lab. A P4 facility involves sealed experimentation chambers, protective clothing, and mandatory cleansing procedures.

Biogen is interested in setting up a large-scale P1 production facility of approximately 1000 liters, or about 250 gallons. "We would be doing the same sort of thing that MIT and Harvard do," Muller noted. (See turn to page 2)

Candidates need students

By Ivan Fong

Editor's note: This is the second of two articles analyzing student involvement in the presidential contest. Tuesday's article covered the two major party candidates.

Both the Democratic and Republican presidential campaign headquarters in Boston are making strong last-minute efforts with the help of area student volunteers for this year's election next Tuesday.

The main goal of organizing a student volunteer program is to increase the candidate's visibility, said student coordinators from both major parties. There are a variety of jobs done by the students, including working on campus, handing out leaflets on street corners, offering shopping mall tours, and sponsoring group events such as concerts.

"In a state where the race is neck-and-neck, student volunteers can make a difference. They provide workers for the campaign, and contact voters personally," said Jack Abernoff, chairman of the Massachusetts College Republican Union. Lisa Rosenburg and Dave Bracken, Massachusetts State Campus Coordinators for the Carter-Mondale campaign, say they think "Reagan would probably win it if we had no student organization. This state is a trendsetter, and there are a lot of liberal students who are politically very active." A junior from Boston College, Bracken estimates that student volunteers account for approximately one-seventh of the campaign effort.

Abernoff has about 3500 volunteers statewide at 45 colleges, and began recruiting about two months ago. The student campaign has been "doing extremely well," and the campaign response to Reagan has been phenomenally," reported Bracken, senior Abernoff. "Many students identify with Reagan, and are characterized by a "hard-core enthusiasm," as opposed to that of students for Carter," added Abernoff.

Volunteers from 54 schools in Massachusetts work for the to Rosenberg, began organizing before their Republican counterparts. "Basically, we are trying to push the election as a two-man race. We got a lot of support from students who were campaigning for Ted Kennedy, and now we're trying to tell the voters that Anderson isn't as liberal as everyone thinks," stated Rosenberg, a Harvard senior.

With reference to last Tuesday's debate between the candidates, Rosenberg noted that "Carter acted very presidential," and "tried hard himself very well. She said that the debate "definitely helped Carter," and showed that "Reagan is quite overrated, in that he spoke condescendingly, side-stepped questions, and up- praised too much to the audience's emotions.

Reagan-supporter Abernoff commented that the debate helped to clear a lot of the misconceptions the public had about Reagan, and observed that he was "swamped with volunteers" soon after the televised meeting.

The large dissimilarity is the need of Commons participants, and cash customers in Walker and the Student Center is "our biggest problem," said Director of Housing and Food Services Eugene Brannet. He noted that Commons users in Walker have to park their cars with everything they eat the first time around, instead of the unlimited soda, beverages, and ice cream that exists in the West Campus dining facilities. Associate Director of Housing and Food Services John Harwell, however, maintains that at Walker "almost half of our business at lunchtime is from cash customers." (Please turn to page 15)

Anticodon

By Laura Farbie

A $25,000 study conducted by Arthur D. Little, an independent consulting firm, has confirmed many of the recommendations made by the Committee on Campus Dining dealing with the cooperation of food services.

The A. D. Little study was concluded on May 15, but the report was not released until three weeks ago. Although the details of the report were discussed by the Food Services Department, only a summary of the report was released to the press.

Three of the ten recommendations made by A. D. Little deal with improved customer satisfaction, another three recommended improved sanitation and food handling, and the rest deal with more effective management and implementation.

"Significant opportunity exists to increase cash sales and user satisfaction levels through renovation and concept modification at Walker and the Student Center," observed the report. The Cambridge-based firm concluded, "students on Commons here do not regard a sense of community."

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Spring isn't all that's awaking in the Harvard-Radcliff Drama Club's new production. Page 9

Sheena finds the Psychotic Furs shallow in concert. Page 8

Nobel Laureate David Baltimore expresses concern about current trends in the presentation of the award. Page 2

Talking Heads' new album communicates poorly. Page 10
Baltimore: Prize leans medically

By Julie Tiao

"Recently they have been slamming the Chemistry Nobel Prize towards research with direct medical relevance," commented Nobel Laureate and MIT microbiology professor David Baltimore. "Leaving the entire field of biochemistry unnoticed except by the chemistry department."

Baltimore received the 1975 Nobel Prize in Medicine and Physiology for his work with tumor viruses and their interaction with the genetic material in a cell.

The Chemistry award was divided among three professors. "They are all very deserving of the prize," noted Baltimore. "Half of the award went to Dr. Paul Berg, a professor of Biochemistry at Stanford University. According to the October 15 New York Times, Berg was commended "for his fundamental studies of the biochemistry of nucleic acids, with particular regard to recombinant DNA." Baltimore commented that he has been an admirer of Berg since high school. "Berg was the first major proponent of the idea of recombinant DNA technology," explained Baltimore. "He's like the godfather of the field." Recombinant DNA technology, or "gene splicing," is a new field of research whose development has largely been the result of Berg's experiments and research. The field includes techniques and experiments conducted by Berg to splice the DNA from animal cancer viruses into the DNA of other organisms, which could then reproduce it. These techniques have opened an entire new branch of research in gene manipulation and genetic engineering.

The other half of the Chemistry prize was awarded jointly to Dr. Walter Gilbert, a professor of molecular biology at Harvard University, and Dr. Frederick Sanger, a professor of molecular biology at Cambridge University. The award was Sanger's second Nobel Prize in Chemistry, an even occurring only once before. "Gilbert and Sanger learned how to sequence DNA," explained Baltimore. They each developed a method of rapidly determining the exact order of the chemical bases of long segments of DNA. These methods have been the basis for many other advances in genetic engineering. "This is a very active field," observed Baltimore, "and we have been busy plumbing the techniques and insights which these men have shown us."

Baltimore noted that the awards were given to the developers of new fundamental techniques. He added, "The prize is awarded to people who open new fields of research."
Analysis

US weapon sales increasing

By Hans A. von Spakovsky

US military arms sales are continuing to increase, according to government figures. While both presidential candidates have spoken about nuclear war and its dangers, neither has addressed the role of the United States as the largest arms dealer in the world.

In the last decade alone, the US has made foreign military sales agreements in the staggering amount of $105 billion dollars, according to data assembled for congressional presentation on US Security Assistance Programs in a fiscal year 1981. If one includes weapons sold through commercial licenses since 1971 under the Arms Export Control Act, plus the monetary value of the US Military Assistance Program (including loan programs and the sale of excess defense equipment), the total reaches almost $131 billion dollars.

It is interesting to note, however, that deliveries under the FMS agreements have not kept up with the contract sales. In Fiscal Year 1977, the US delivery rate has hovered at 6 billion dollars a year. If the United States military is to step up its arms sales abroad, it will need to continue shipments at the rate of 6 billion a year till the 1988 Presidential election.

Jimmy Carter's claim of being a "peace-maker" is not supported by the record of increasing arms sales during his administration. In the 1976 campaign, Carter promised to try to reduce American weapons sales if he were elected, and, in 1977, US military and commercial sales did drop. To 10 billion dollars from a 1976 high of 16 billion.

This is a deceptive figure, however, as the difference is mainly due to a reduction in sales to Saudi Arabia. (50 percent of the cut was in profits made from the Middle East and South Asia alone.) In 1976, the United States share of the arms market was 113 billion dollars. It is the Eve of All the Hallowed... the grace of God yields a harvest of holiness....

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at 9 pm in the MIT Chapel

Saturday morning, November 1, 1980
10 am and 12 noon in the MIT Chapel

THE FEAST OF ALL SOULS will be celebrated by the Tech Catholic Community

Sunday, November 2, 1980 in the MIT Chapel
9 am, 12 noon, and 5 pm

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MIT & Mass. high tech

Steve Solnick

Curriculum questions

There has been a lot of chatter lately about a big "curriculum review" in the wind. MIT has not stepped back and looked carefully at its un- dergraduate programs since 1971. Then, a committee task force concluded a multi-year study with three proposals for the under-graduate experience. The first one, as mentioned later, was adopted. An in-depth study occurred at the end of President Johnson's administr-ation, however. The new effort would come at the beginning of President Gray's. He has already indicated his support in such an endeavor. It seems probable the results of a major "Review" would be reviewed. How MIT's new President and his associated activities will arise in the past are easily sub-stantiated. The review's intent is to clarify the Humanities requirement. It is likely that Humanities Review will be required to test if it is effective. The structure of the School of Humanities, which is prone to frequent change, may change yet again. Humanities courses may eventually be modified to reflect the "social consequences," thus changing the "status" and putting them on an equal footing with the sciences.

One proposal to clarify the Humanities requirement would be to bring it more in line with that used at other Ivy League Institutions. Specifically, the Humanities and Social Sciences Requirement would be divided into a separate Humanities Requirement and Social Sciences Requirement. This would eliminate the confusion of the Humanities Distribution Requirement. And would correspondingly clarify the difference between such fields as English, Philosophy, Economics, and Psychology.

What About a Writing Requirement? The Humanities Distribution Courses are often looked at by the faculty as being the course whose students are prone to score under-instructed in writing and rarely excel at it. The writing program is not currently equipped to offer an Institute Requirement in Writing. It is a fairly small program. The proposal is that students take a level of writing proficiency test to be held on the agenda of any Review.

Courses in a social context, as President Gray stressed in his Inaugural Address, The Science, Technology and Society (STS) program poses an interesting dilemma: it begins a degree program, many faculty fear it will attract students who fall at science and engineering and will become a "cheap" degree. Others, including President Gray, find an STS degree program will attract a small group of students.

The thought is that students who have the option to get in at 8.01 or Unified Engineering to consider the social consequences of science and engineering. It may require fundamental changes in the teaching structure of some key humanities courses once some of the interactivities of the core science and engineering subjects are firmly blended to humanist themes.

4) Returning again to topics in the Gray Inaugural, how do we slow the pace of MIT? Do we eliminate some courses with very long for the students? Do we require core writers to become more proficient in writing, and rarely excel at it. The writing program is not currently equipped to offer an Institute Requirement in Writing. It is a fairly small program. The proposal is that students take a level of writing proficiency test to be held on the agenda of any Review.

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More than partners?

(Continued from page 4)

the California institution. Yet all
powerful institutions have an
obligation to try to structure their
activities in a way that will ensure
the widest social benefit and it is
clear MIT is meeting that
demand.
It is a changing world. One of
these changes is the possibility of
substantial, detailed communication
between decentralised set-
tings. That makes high calibre,
college education a possi-
bility. It has resulted from
innovations in the very kind MIT-based research
processes. And, surely, MIT is not
responding fully to the oppor-
tunities created by changes it has
helped initiate.

Paul E. Grey

As I take up the duties of the
MIT presidency, I would like to
develop opportunities to better
understand New England in-
dustry—particularly Mas-
sachusetts industry. I want to un-
derstand industry's problems, its
expectations, its hopes for the
future. I want to understand par-
ticularly how MIT might
strengthen further, in the contem-
porary setting, its long-standing
links with industry, and especially
local industry.
To do this, in the coming
months I plan to begin an ongo-
ing, informal dialogue for
representatives from MIT and in-
dustry—a mechanism through
which we can consider issues of
central, mutual importance—
with frank discussions of how to
define more precisely the current
and future educational needs of
New England's high-technology
industries. I will need your help and
advice, both in organizing these
communications and in making the
dialogue meaningful.
Since its founding, MIT has
been a partner in a mutually sup-
portive relationship with industry
and that relationship is in good
health today. Our academic roots
are in American industry. We
began as a school of applied
science, with a primary emphasis
on engineering, architecture, and
the useful arts. During our 118-
year history, new strengths in
basic science, in the humanities
and social science, and in
managements have developed. But
these developments have not
deflected the Institute from its
historic purpose. Rather, they
have added to our capacity to
pursue education and research in
the modern context of engineer-
ing.
During the past decade at MI-
tgraduate level enrollments in
engineering have increased by
about one-third and we have been
consistently among the top-
ranked schools in the numbers of
graduate degrees awarded. At the
undergraduate level, the trends
have been even more striking.
From 1970 to 1980, un-
dergraduate enrollment in the
School of Engineering nearly
doubled, so did the number of
bachelor's degrees awarded an-
ually.

(Continue to page 6)

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CAMPUS INTERVIEWS
NOVEMBER 6
Examining MIT's role in Massachusetts industry

(Continued from page 5) Grey replies to Globe

Today more than two-thirds of the undergraduates at MIT who have selected a major are in engineering—and nearly one-third are in electrical engineering and computer science alone. Between 1970 and 1980, the number of bachelor's degrees awarded in electrical engineering and computer science increased from 174 annually to 270. These changes have occurred because MIT, unlike many schools, admits undergraduates without regard to intended field of study and gives them, as sophomores, complete freedom to choose their major. The young men and women who come to MIT clearly understand the job market and they vote with their feet. If the other 300 schools of engineering in the US were to increase their degree production by a factor of two over the rates characteristic of the early 1970s — as MIT already has done — the nation programs, which lead to bachelor’s and master’s degrees with a thesis component, in the Department of Electrical Engineering and Computer Science, the cooperative program has operated since 1937 and currently involves 230 undergraduate and graduate students. While there are practical limits to the scope of work-study programs that can be supported by MIT — particularly limits on the amount of faculty time that can be used to oversee students in work assignments and during in-plant thesis research — we are actively seeking new mechanisms to extend our efforts.

Second, 260 companies, in the US and abroad, participate in MIT’s Industrial Liaison and Associate Programs, which provide member companies access to research resources at MIT and offer a mechanism of exchanging information. These programs are one of the ways in which technical developments at MIT are transferred to industry for commercial application, and the work of the Institute is coupled to the solution of societal problems.

... (Please turn to page 7)

Opinion

We're looking for people who think small

Our Microelectronics Program at General Electric has immediate career openings for top electrical engineering BS and MS graduates.

We're committed to providing leadership in the microelectronics industry, and as part of that program, we're spending $100 million to build on an ultra-sophisticated new GE Microelectronics Center at Research Triangle Park, North Carolina.

As we're looking to identify people who'll fit into the design world as well as other General Electric microelectronics facilities.

Technical recruiters will be on campus Thursday and Friday, November 13-14, to conduct interviews. Contact your campus Placement Office for the exact time and place.

Please see your advisor and campus Placement Office for more information.

Advanced Microelectronics Operations

An Equal Opportunity Employer
Opinion

Industry ties in the 1980's

(Continued from page 3) These liaison relationships are more or less a fait accompli in nature, which is very important to us. They facilitate member companies' contact with our programs at MIT and at the same time they provide a venue by which faculty can stay informed about developments in industry and about industrial problems and needs.

Third, the Institute offers several scores of intensive "short" courses each year, both by lecturers on- and off-campus and by videotape, designed for professionals in industry. During the past year, more than 2,000 professionals participated in 67 of these courses. Most of these people are employed in industry. MIT's video short courses, offered by the Center for Advanced Engineering Study, are designed for professional engineers, scientists, and technical managers who wish to continue their education on a self-study, in-plant, non-credit basis and are sent to users around the world. More than 30 subjects - consisting of over 700 videotaped lectures, study guides, and textbooks and ranging from fundamentals to graduate level subjects - are available. Of special importance are several new courses dealing with microprocessor technology and its impact on industry. About 20,000 persons per year - again, primarily professionals in industry - take these videotaped courses. We are actively seeking ways to expand our relationship with industry - particularly Massachusetts industry - through our existing mechanisms of industrial liaison, short courses, and videotape courses. We have been engaged in discussions with many companies concerning these programs, and hope to work closely with industry on developing ideas that have resulted from these contacts.

Fourth, there is a significant level of industrial participation in, and support of, research programs at the Institute. This trend is evident in the recently announced study of combustion of carbonaceous fuels, funded by Exxon; in the industry-supported study of particulate emissions in diesel engines, in the Polymer Processing Program, which is supported by a consortium of a dozen new companies, and in the support by several computer manufacturers of research office facilities, written in MIT's Laboratory for Computer Science.

Finally, mention must be made of one initiative in the area of very large-scale integrated (VLSI) systems. We have recently begun a major teaching and research program related to the production of integrated circuits, from architectural conception and automated design through the intricacies of fabrication and testing. We have expanded our subject offerings in this field and have increased the participation of faculty in this area nearly threefold. This emphasis complements an ongoing program in the area of microcomputer structures. I believe that these activities in VLSI will contribute to the solution of problems that are of consequence to a growing fraction of high-technology companies and will produce an increasing number of graduates who are skilled in this broad area of technology - an area which will be of central importance to high-technology for the foreseeable future.

A question has come to me several times during the past year: Will regional problems and needs be taken seriously by MIT in setting its priorities? The answer is unequivocal. We are conscious of, and responsive to, regional needs. We serve industry interests through the education of a substantial number of extraordinary young people, many of whom stay on in Massachusetts to work. These MIT alumni are among the leaders of the high technology industry in the Commonwealth. A number have founded entirely new companies and so have added substantially to the economic strength of the region.

We also serve industry and the regional economy through a large and diverse program of first-rate front-line research and through the transfer of new technology from the Institute to industry. We serve, in addition, through many relationships with industry, some of which I have enumerated, and through careful attention to quality in all that we do. In these respects we offer to industry what we can capable, and I believe we make a difference.

But I also recognize that New England high-technology industry is in a crisis at present. MIT cannot be, and has no wish to be, aloof from this situation. And, as I stated at the outset, I am ready to explain forcefully and seriously with the industry issues of control, mutual understanding, and to seek pathways to their resolution. Let us begin.

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US tries to woo Iran — The Administration has informed Iran that once the American hostages are freed, it would be ready to allow Tehran to receive about $220 million in military equipment Iran had already purchased. The war material had been paid for by the deceased Shah and was held up in delivery when the White House ordered the freezing of Iran's assets following the seizure of the hostages nearly a year ago.

Budget deficit second-largest on record — The Carter administration reported today that the federal budget deficit for fiscal year 1980 reached $59 billion, the second-largest deficit on record. The figures would normally have reflected one-fourth percent of the gross national product, despite pressure by the Carter Administration to cut. The banks cited cost of funds increases as the major reason.

Detroit's Big Three lose $1.6 billion in quarter — General Motors, Ford, and Chrysler reported third-quarter losses of $567 million, $395 million, and $400 million, respectively.

Former CIA agent double agent — David Barstein, a former American intelligence agent, confessed in a Federal Court Wednesday that he sold information to the Soviet Union on "numerous occasions." The ex-CIA agent was also guilty of exposing the identities of 30 covert US agents, according to the Department of Justice.

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Khomeni has cancer — Carter aide Frank Moore, while discussing the US's concern for safeguarding Iran's internal security, was quoted as saying Ayatollah Ruhollah Khomeni "has cancer of the colon." The White House and State Department issued a statement saying there is no information that the Iranian ruler is terminally ill.

Nation

Use blood prime rate — At their highest level since May, the prime lending rates of a number of major banks rose one-half percentage point to 14.5 percent, despite pressure by the Carter Administration not to do so. The banks cited cost of funds increases as the major reason.

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By Richard Sale

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The songs on this album can be divided into two categories: the more upbeat dance and the quieter, more danceable side closer to the former—"Romeo"/"Guided by the "Thru-Division Road," and so on. I find it difficult to define my reasons in any specific terms. I'll say that "Psycho"/"Life's a Gift"/"You're That Kind of a Woman"/"Stuck in the Middle with You" have to be my favorites of the latter. They're all essentially ballads, without any of the rhythmic excitement of the former, but they're still the most memorable songs of the album.

"Do You Want Them to Die?" is an interesting and thought-provoking song. It explores the idea of whether we want our loved ones to die or live on. The lyrics are open to interpretation, and the song itself is quite powerful. It's a song that makes one think about the choices we make in life.

The album closers, "Dancing in America" and "Papa Can't Do That," are both excellent. "Dancing in America" is a fun, upbeat song that celebrates the spirit of the people. "Papa Can't Do That" is a more serious song, dealing with the consequences of drug addiction. It's a powerful song that speaks to the realities of life in the United States.

Overall, this is a great album. It's diverse, both in terms of style and subject matter. The production is excellent, and the writing is top-notch. This is a classic album that stands the test of time.
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Being a recent graduate, Tony understands the difficulty in students’ finding jobs in the state of Massachusetts. The high technology industry is leaving Massachusetts because of our high income and property taxes. Tony is extremely concerned and, if elected, would work toward bringing the high technology industry back to Massachusetts.

His economic policies will be described in the next issue of The Tech.
THE ARTS

ON THE TOWN

 SPRING'S AWEAKENING, a hilarious and insightful examination of sexuality, plays tonight and tomorrow at Loeb Drama Center. Tickets, $3.50. For information call 547-1050. See review elsewhere in this issue.

 SUGAR BABIES, the smash Broadway hit, is at the Colonial Theatre. The production stars Carol Channing and Robert Morse. Performances are Monday through Saturday; matinees Wednesday and Saturday. For more information call 426-8083.

 THE FARMERS' MARKET, the weekly community gathering of producers, artisans and consumers, is Saturday at the Museum of Fine Arts. The market runs from 9-2:30.

 A WEEKEND AT THE BEACH, a look at the cultural history of Cape Cod, is at the Center for the Performing Arts. Tickets, $7; $5 for students.

 THE BOSTON OPERA is performing Mozart's The Magic Flute on October 28th at 8pm. For tickets information call 267-9000.

 MUSIC

 PATRICIA McCARTY will give a solo recital on Nov. 2 at 3pm in the First and Second Church, Marlborough St., Boston. Phone 252-3753 for tickets.

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 ISRAEL

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 Israeli films, photo exhibition, written material, interviews with professional representatives and more

 November 4, 1980

 West Lounge, Student Center

 Have you any idea how long it takes to draw all the little letters in an issue of The Tech? Well, neither do we. Help us do nearly everything else at The Tech.

 FRIDAY, OCTOBER 31, 1980

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 THREE DIFFERENT PROGRAMS TO EXPERIENCE

 ISRAEL

 Information on long and short term program opportunities in Israel for students and young adults

 Israeli films, photo exhibition, written material, interviews with professional representatives and more

 PAGE 12 THE TECH FRIDAY, OCTOBER 31, 1980
Shan Yuan: for when you’re feeling wonton

Shan Yuan, 453 Massachusetts Ave (Cambridge Square) open daily 11:30am till 10:00pm, till 11:00 Friday and Saturday; liquor: take out available: 471-6727

Shan Yuan is a tidy new Chinese restaurant featuring Sanchoan, Hunan, and Mandarin cuisine. It replaced Zorba’s, a Greek restaurant. One would hardly recognize the place as the same: slick, smart, brightly lit atmosphere...and the inevitable high prices ($8 to $12 for a dinner).

Even on Friday and Saturday nights, Shan Yuan is practically empty since people seem not to have discovered that the food is quite good. Thus the service is quite prompt, so the waiters are not rushed and can spend some time giving advice and describing the dishes.

Indeed, descriptions are sometimes necessary. For instance, what is “jade dipping”? How strange is “strange flavor good enough for dinner.” In facts, the tea at Shan Yuan is fuller than Chinese. Cheaper than the appetizers, the hot and sour soup is delicious as good as Chinese restaurants serve.

“slippery chicken” slippery? Although many dishes actually have descriptive names, the best way to answer your questions is to taste the food. The hot and spicy dishes are marked, so the proper precautions can be made.

The main dishes include an interesting variety, a few American in their own homes and other dessert. It is probably just as well to order the large dishes and splitting the cost. The main courses, spicy, crispy whole cod and a vegetable dish can comfortably feed four people, while a half duck and a moo shu dish will feed three.

There is a bar, but nothing offered is special at all. The

The main dishes include the standard fare, plus some rare entries. For moo shi fans, there are five variations on their

- Nervous Eaters at the Paradise, 907 Conn Ave. Fri.
- Human Sexual Response, Thelma, Boy’s Life at the Channel, 25 Neco St., Fri.
- Flashbeaters, Junk Mail, Harlequin at the Rat, 52 Conn Ave. Fri.
- Taxis, Last Ones at Canton, 49 Breed St., Fri. Sat.
- Sylvain Sylvain at the Channel, Sat.
- June Britt, Boy’s Life, Outlets at the Rat Sat.
- Shunkyfinger, People in Stores at the Underground Sat.
- June Britt, Paroli at the Rat Sun.

Hat Lunch, Guests at the Underground Sun.
- George Thoroughgood and the Destroyers at Berkley Performance Center Sun. 2
- Raches at the Paradise Tues. Nov. 4
- Bobby and the Midnights featuring Bob War at the Orpheum Thurs. Nov. 6
- Private Lightning at the Paradise Sat. Nov. 8
- Kamus at the Garden Mon. Nov. 11
- Plasmatics at 15 Lansdowne St. Thurs. Nov. 13
- Talking Heads at the Orpheum Fri. Nov. 14
- 999 at the Paradise Sat. Nov. 15

Gang of Four at the Channel Tues. Nov. 18
- Siouxe and the Banhders at 15 Lansdowne St. Thurs. Nov. 20
- Rockpile, Moon Martin, Reaves at the Orpheum Sat. Nov. 22
- Bankees, Fans at the Bradford Hotel Tues. Nov. 25

Let’s Get Together!
Perkin-Elmer is Coming On Campus To Discuss The Rewarding Career That Awaits You on November 7th, 1980

If you are looking for an outstanding career with unlimited growth, sense of achievement, and satisfaction in a dynamic, high-technology environment, Perkin-Elmer has it for you.

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In our Electro-Optical Division, you will be involved with optical intelligence sensing and warning devices, automated tactical reconnaissance equipment, high energy laser systems, and specialized optical instruments for atmosphere monitoring and other aerospace applications. Your capabilities will be challenged and your imagination captured as you work closely on new and developing electro-optical technologies.

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On Campus Interviews
Friday, November 7
Meet with working software and hardware engineers from ROLM in the Placement Center. See our Company Literature in the Placement Center.

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Harvard Square
188 Boylston St.
Cambridge
Dining study finds few flaws

(Continued from page 1)

In evaluation of the West Campus dormitory cafeterias, the report noted, the Commons program at Baker and MacGregor is functioning well and requires only fine-tuning. At these houses, dining is an important aspect of student social life.

in management in MIT's Food Services has often been ineffective in developing the food service organization, according to a developer of the food service program at Baker and Hartwell, noting, "Working hard, but pursuing their own goals for which they are not always consistent with those of the organization," stated the report. It explained, "The emphasis seems to be on getting the next meal out or reacting to what is perceived as the most immediate problem. There is only limited planning, developing, and motivating of people, delegating, or communicating.

"Under the old structure, regular violations of command occurred," said the report, to which Brannmer replied, "Direction was coming from too many people." The responsibilities of each person were being clarified and a number of people have been hired to fill new positions, observed the A. D. Little evaluation. The report recommends, however, "a review of the organizational chart and job descriptions to better define responsibilities.

The report also recommended that "immediate steps must be taken to rectify food-handling and sanitation problems." It found that "student employees require basic food-handling instruction." Specifically, the A. D. Little sanitation committee found that ammonia and bleach, dangerous in combination, were being mixed together for cleaning. There were inadequate exhaust systems for certain dish-washing rooms, and the wooden ladles being used were labeled "unsanitary." Brannmer attested that these sanitary problems have now been rectified.

"The Student Center kitchen is poorly laid out. The serving area is unattractive and inefficient," according to the section on student input in the evaluation. "The serving area and busing systems in Walker are inefficient and the kitchen is too small. A major renovation is required." That report found the MacGregor kitchen "generally good, with a few minor problems." Baker was found to have "both correctable equipment and facility problems and more major design and layout flaws. For example, the brick walls in the Baker kitchens are "perous and absorb odors and are "hard to wash down," according to both Brannmer and Hartwell.

The A. D. Little committee interviewed students at every dining unit and concluded that "the taste and appearance of food is generally good." Commenting on why so many students thought otherwise, Brannmer replied that students will complain about the food if it is unable to pinpoint a problem. He said, "It is interesting when students talk about the same item, one will say it is undercooked." The report commented that the menu planning cycle "includes a variety of items and minimizes redundancy.

Wanna make headlines?

Or at least write them?
Then join The Tech.

GRADUATE SCHOOL OF BUSINESS

Joyce E. Corneli, Director of Admissions, will be on your campus Monday, November 3, 1980 to speak with students from all disciplines who are interested in the M.B.A. and Ph.D. degree programs. Twelve concentrations are offered in the Business School plus joint degree programs with the Schools of Architecture, Engineering, International Affairs, Journalism, Law, Public Health, Social Work, and Teacher's College. For further details please contact the Office of Career Planning and Placement.

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THE TRAVELERS
The setting sun throws the Chemical Engineering building in stark contrast (above). Inside, the triangular staircase seems to wind down forever (right). Top photo by Jim Mihori. Right: The Tech file photo.

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OUR COLLEGE REPRESENTATIVE WILL BE HERE ON CAMPUS: THURSDAY, NOV. 13th

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If unable to meet our representative, please forward a letter of interest to one or all of the following facilities:

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- COMMUNICATION NETWORKS
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A SPECIAL NOTE TO MIT ENGINEERS

Among the more than 480 people who make LINKABIT a leader are the following MIT graduates:
- Dr. Irwin Mark Jacobs
- Lawrence Jankauski
- Dr. Woo Pahk
- Dr. Paul Moroney
- Vivek Ranadive
- Tom Seay
- Dr. Andrew Viterbi
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- James Petranovich
- Paul Brasted
- Dr. Jerrold Heller
- Lindsay Weaver
- Dr. John Kaulman
- Timothy Paul
- Dr. John Raitel

Get the facts, first hand, during our On-Campus Interviews scheduled for November 7

Should you be unable to schedule an interview at this time, mail your resume to Pat Tankersley, College Relations Administrator.

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We are an Equal Opportunity/Affirmative Action Employer
Announcements

Anyone interested in doing draft counseling please call 253-4965. We are planning training sessions for new counselors and an update for experienced counselors.

The Coalition to End Animal Suffering in Experiments is coordinating a demonstration to be held on Saturday, Nov. 1 at the Prudential Center on Boylston Street in Boston at noon in observance of World Day for Animals. The demonstration will call for public and Congressional attention to animal exploitation, including fur industry trapping, currently factory farm methods, experimentation in the name of science, and the plight of countless endangered species.

Lectures

Bertil Grodd, Professor of the Social Psychology of Work at the University of Stockholm, will speak on Nov. 5 on the subject of "Work Reform, Collective Bargaining, and Public Policy: the Swedish Perspective." The talk will be from 4-6pm in room 150 of the Kennedy School of Government, 79 Boylston St. Cambridge. It is sponsored by the Harman Program on Technology, Public Policy and Human Development.

Future programs in the Harman series include:

Nov. 17, 8pm, room 150, Kennedy School: Ambassador Harry Barnes, Director-General of the Foreign Service, US State Department: "Managing the State Department." (Respondent: Professor Douglas Johnston)

Nov. 24, 4pm, Penthouse, Kennedy School: Ronald Muller, Prof. of Economics and International Finance, American University; co-author of Global Reach: "Revitalizing America: The Reindustrialization Question." (Respondent: Prof. John Kenneth Galbraith)


You left the notes for chapter 6 in the library. A sure sign that tomorrow's test will be heavy with questions from chapter 6. Someone you know is about to get a phone call. He's not going to like it, but he's going to come through. When this is over, do something special for him. Tonight, let it be Löwenbräu.

Löwenbräu. Here's to good friends.

French craft, American style.
Soccer defeated

By Bob Host
Boston University (BU) defeated MIT 3-0 in soccer competition Wednesday night at Nickerson Field, dropping the Engineers' record to 6-8 with one game remaining on MIT's schedule.

BU got off to an early lead, scoring at 5:45 of the first half on a goal by senior forward Paul Fisher. Less than five minutes later, back Peter Linkekon added another score to put the Terriers up, 2-0. After that, the first half was scoreless, with BU consistently maintaining possession in MIT territory without being able to connect for a goal.

The second half was played more evenly, with MIT making occasional threats into BU territory. However, with six and one-half minutes left to play, BU's Steve Geraghty failed to make the score 3-0, with the final goal of the game. BU now has a 13-3-1 record, and is currently ranked third in New England.

BU coach Ron Cervasio had a good deal to cheer about, as the victory was the seventh for BU against MIT in his seven years of coaching—the only team BU has had such a mark against since he took over. In addition, BU fullback John Primario was drafted in the second round by the professional New York Arrows team earlier in the day. The victory raises BU's overall lead in the series with MIT, dating back to 1949, to 17-14, with two ties. MIT closes its season at home tomorrow against Coast Guard at 1pm in Stanzione Stadium.

IM cycling rolls along

By Bob Host
For the third consecutive year, Mechanical Advantage won the team title in interscholastic cycling competition, edging out the Boston 4 Players by slightly over three seconds.

Manager Steve Selin reported that this year's 30-mile race, extending from Fresh Pond to Wellesley, had 75 riders. Two lanes of traffic were filled at the beginning of the race, but Selin noted that the field was "narrowing quickly into a long snake, and finally breaking up into groups of five at six cyclists working together to catch the lead pack." The manager added that the front group maintained its lead, with an unofficial rider edging out official winner Marcello Dimare "by a matter of inches," with the first six riders all crossing the finish line within two seconds of each other.

Selin added that "competition ranged from intense to easy-going," noting that some entrants did not finish until an hour after the winner. "There was a lot of interest shown for this fall's race," he commented, hoping for another good turnout this spring.

The team and individual leaders were:

- Team: Mechanical Advantage
  - Boston 4 Players
  - News
  - Sigma Chi
  - Minutemen
  - New II Stooges A
  - Spirit of Burton
  - Drummond House
  - Beast from the East
  - New III Stooges B
  - Boom

- Individual:
  - Marcello Dimare: 1:20:37
  - Saman Majd: 1:20:37
  - Tom Woods: 1:20:39
  - Steve Zale: 1:20:39
  - John Topolosky: 1:24:43

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IM cycling contestants at the finish line of the race at Wellesley College. (Photo by S. Cohen)

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We will be on campus Thursday, Nov. 6

Contact your placement office to arrange a meeting, or send a letter and resume to: Mark Bauer, College Relations, Engineering & Manufacturing, NCR Corporation, 900 Danby Road, Ithaca, NY 14850.