

Tech photo by Omar S. Valerio

Powerful and consistent serves by Anella Munro '85 helped MIT defeat Mount Holyoke and East Nazarene College last Thursday night. MIT will attempt to better its 17-0 record Saturday at the Springfield Invitational.

Lack of black faculty at MIT seen detrimental to education

By Kevin D. Hurst

Last of a two-part series

A paucity of black faculty members at MIT hinders the educational process within a department, according to William McLaurin, director of the Office of Minority Education.

"There is no substitute for an actual minority person in a department," McLaurin said. "A black professor has the ability to sensitize a department to the idiosyncrasies of black needs. He can stimulate scholarship and act as a role model for black students."

Nelson Armstrong, associate director of admissions, said black professors are vital to minorities

and non-minorities alike. "We need more black faces in the departments," he said. "It is less stressful for minority students to be taught by a minority professor."

"For non-minorities, the experience may just teach them something," Armstrong said. "The fact that people are just people must be learned."

The low percentage of MIT faculty members who are black — 1.5 percent — places additional pressure on black students, according to Klint R. Wright '83, chairman of a committee advising the Office of Minority Education. "It is an unnecessary burden to carry while going to

class," he said. "It occupies your mind."

"We need more black faculty to address the specific needs of a black student," said John B. Hammond III '84, vice president of the Black Mechanical Engineers Association. "The student gets support from his parents and teachers in high school and then he comes here and has no role model to lean on."

Harold J. Hanham, dean of the School of Humanities and Social Science, said a significant strain is placed on minority faculty members. "Too much is expected from the black professors here," he said. "There are not enough blacks for it to be thought ordinary and normal to have them around."

Associate Professor Kenneth R. Manning agreed with Hanham. Being a minority professor "gets kind of lonely sometimes," he said.

Tried to encourage minority hiring

In 1968, MIT was one of the first universities in the country to design an affirmative action proposal. The Institute's efforts at equal opportunity have since spawned an array of programs — including the Office of Minority Education and affirmative action committees — to attract minorities and encourage fair hiring practices and candidate searches.

President Paul E. Gray '54, then chancellor, in 1980 announced a set of guidelines designed to inspire departments to recruit more minority candidates.

Among the incentives was a plan to provide extradepartmental funding for new minority faculty members' salaries, even if no positions were vacant in their fields.

MIT recently made funding available for five post-doctoral positions for minority candidates.

Such ongoing programs represent a "major commitment" by the administration, meant to "get the ball rolling," said Clarence Williams, special assistant to the president. "After we start bring-

(Please turn to page 13)

Democrats debate defense at Harvard

By Robert E. Malchman

The seven declared Democratic candidates for president of the United States discussed arms control and defense policy last night at a forum held at Harvard University's Kennedy School of Government.

Most of the debate concerned the issue of freezing development of nuclear arms and the candidates' specific proposals for controlling the arms race.

Sens. Alan Cranston, D-Calif.; John Glenn, D-Ohio; Gary Hart, D-Colo.; Ernest Hollings, D-

S.C.; and former Vice President Walter Mondale all said they support a mutual, verifiable nuclear freeze with the Soviet Union.

Former Sen. George McGovern said he supports a unilateral freeze. "We could well afford" to halt nuclear arms development because the United States already has the capacity to destroy the Soviet Union several times, he said.

Former Florida Gov. Reuben Askew said he opposes a freeze because he does not "want pressure to produce an arms agreement very quickly." Such pressure would strengthen the Soviets' bargaining position, allowing them to use delay to their advantage, he said.

"There is no higher priority than arms control," Askew continued, but a freeze would not permit the United States to "selectively modernize" its nuclear forces.

Hollings charged previous administrations with "posturing" when negotiating arms agreements. The best way to obtain an arms agreement is to "elect me president," he claimed.

fine" than those decided by a "for" or "against," Turner said, because Flynn and King have such similar platforms.

Neither King nor Flynn represents traditional Boston politics, Turner said. "People are sick and tired of that way of doing things."

Were King able to register additional black voters and gain the support of a greater percentage of whites, Turner said, November's election would be close.

Nearly all black voters — representing one-fifth of the electorate — will vote for King, he predicted, but only 30 percent of whites will lend their support, giving King 44 percent of the total vote.

"If I had to put a nickel down, I certainly wouldn't put it on Mel today," Turner said.

(Please turn to page 13)

King, Flynn in mayoral race

By Burt S. Kaliski

Raymond L. Flynn and Melvin H. King topped a field of nine candidates for mayor of Boston in the preliminary election Tuesday in the preliminary election Tuesday to win spots on the November ballot.

Flynn garnered 47,818 votes to King's 47,458, leaving behind David I. Finnegan, who had led opinion polls earlier in the campaign, at 41,308 votes.

Thousands of newly registered voters boosted turnout to a record 62 percent while choosing the neighborhood-oriented platforms of Flynn and King.

King's "Rainbow Coalition" — black and white supporters primarily from Roxbury and Mattapan areas — and Flynn's support from many parts of the city lifted the two candidates to victory.

Finnegan conceded defeat at 10 p.m. Tuesday; the other losing

candidates finished well behind the three leaders.

Robert Turner, political columnist for *The Boston Globe*, discussed Tuesday's election and made some predictions for the final election at a lecture at MIT last night.

"I think the vote Tuesday was a very interesting vote," he said. It showed "people want to move on" past issues of race, to issues of the neighborhoods, housing, jobs, and the city school system, he said.

"David Finnegan lost because a lot of people didn't trust him," he said. Many voters may have considered Finnegan similar to outgoing Mayor Kevin H. White, he said, and may have disliked what "was a tone of arrogance, of 'He had the job won.'"

The final election will "depend upon issues that are a lot more



Photos courtesy The Harvard Crimson/Timothy W. Plass

Boston mayoral finalists Melvin H. King (left) and Raymond L. Flynn.

Black students' groups call for unity on issues

By Thomas Huang

The MIT Black Students' Union called for unity among minority student organizations in a luncheon held last Saturday in the Student Center. Students from MIT, Harvard University, and Northeastern University attended the meeting, which was sponsored by MIT's Office of Minority Education.

"We have to initiate a new attitude," said Deborah L. Rennie '85, co-chairman of the Black Students' Union (MITBSU). "In order to confront the issues that concern us, we have to unite. We have to support each other."

"This does not just apply to MIT," she continued. "This also applies to other campuses, as well as the [Boston] community."

Sylvia A. Zachary '85, her co-chairman, said the luncheon "was just a stepping stone. We plan to hold one annually. We will also meet during the year."

Rennie said that there have been problems of cooperation among the groups, such as scheduling meetings at conflicting times. "Too many organizations

have not been trying to help each other.

"With more coordination, we can do things better," she explained. She recommended that more minority groups jointly sponsor events.

Rennie cited the number of black faculty members, minority financial aid policy, and the in-

(Please turn to page 13)

inside

UROP on \$250,000 a year. Page 2.

Strip act comes to Boston stage. Page 10.

The team that runs together. Page 18.

Research funding for UROP grows

By Andrew Bein

Funding for the Undergraduate Research Opportunities Program (UROP) through faculty members' research contracts has increased significantly in recent years, although MIT's budget for the program has stayed at about \$250,000, according to Norma McGavern, associate director of UROP.

Students participating in the program earned a total of \$2 million last year, mainly from outside research grants to faculty members, she said. "The faculty

has figured them into their budgets," McGavern said.

About half of MIT undergraduates and 60 percent of faculty members participate in the Undergraduate Research Opportunities Program (UROP), she said.

Students participating in the program may earn either credit or pay. Those who are paid will earn a minimum of \$4.50 per hour — less than the Institute's minimum wage of \$5.25 — but a faculty member may increase the salary by using his own research

funds, McGavern said.

The program, initiated over 10 years ago, has based its success on a unique blend of faculty and students.

MIT professors often prefer to work with undergraduates involved in the program than with graduate students, for several reasons. "Undergraduates are cheaper for professors," she said.

Undergraduates are also more willing to experiment than graduate students who are under pressure of completing a thesis,

McGavern said. Some faculty members prefer to teach in an informal laboratory setting than in the classroom, she added.

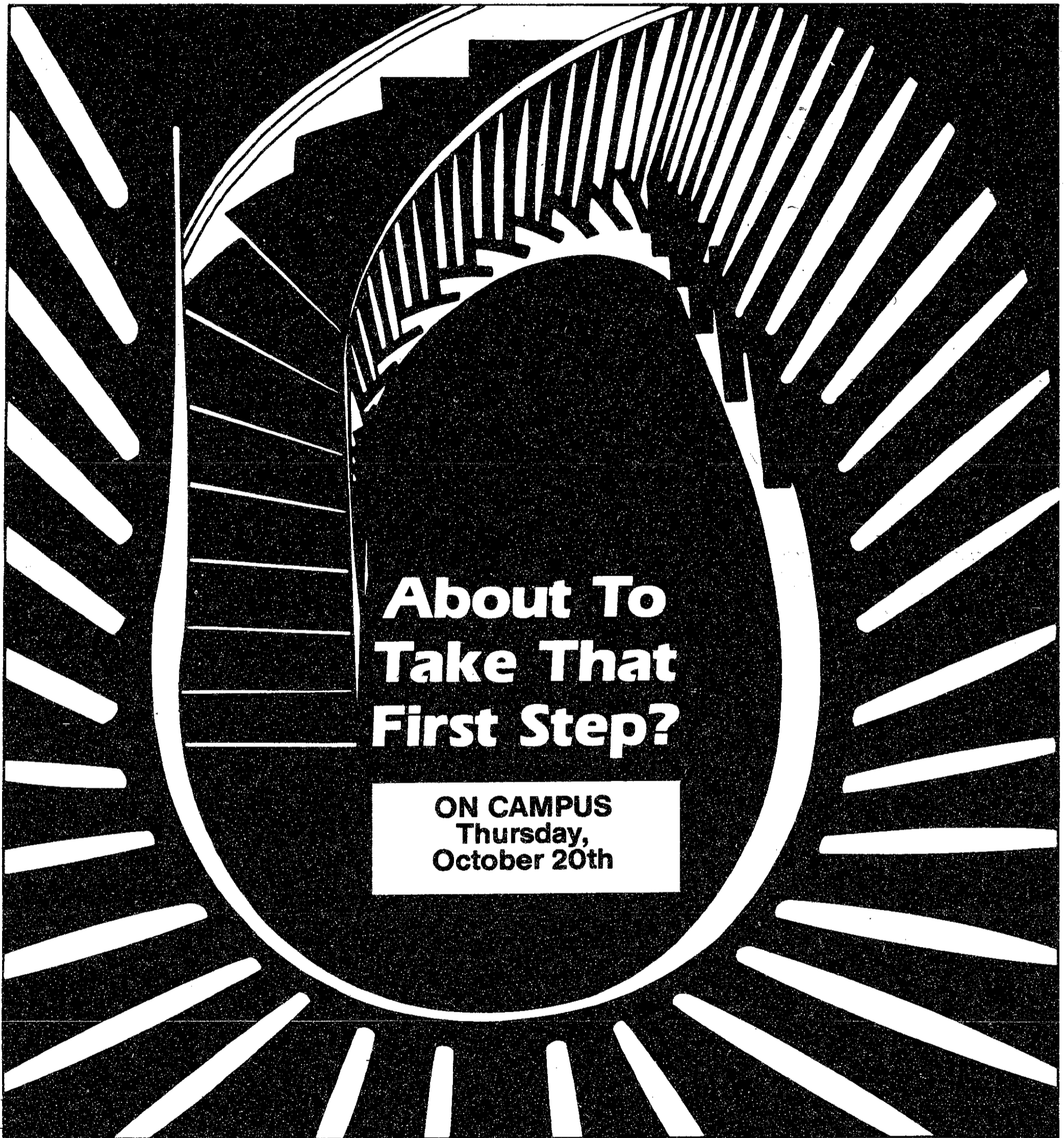
"Young professors can build a research team" of undergraduates through the program, McGavern said. Students may also contact a faculty member to start a research project.

The Undergraduate Research Opportunities Program is "an amazing opportunity to work one on one with a professor on relevant research," said one student who participated in the program.



**Smokey's
friends
don't play
with
matches**

This space donated by The Tech



- Electronics Engineers
- Mechanical Engineers
- Computer Scientists
- Physicists

You're about to take that all-important step, from college into your first career position. It's a move that must be thought out carefully.

The Lawrence Livermore National Laboratory offers room to move around, and several stairways your career can take. Here you'll be working shoulder to shoulder with some of the country's top people, seeking solutions to the nation's greatest challenges. You may begin your

career here working on a defense problem and later move into one of our many energy research programs.

You'll find everything you need for your work, including the world's most advanced computers. And, if you decide to continue your education, the Laboratory offers time off from work and tuition reimbursement.

You couldn't find a better place to take that first step.

Our major research programs are:

- National defense (Nuclear weapons and defensive systems research)
- Magnetic Fusion Energy
- Laser Fusion
- Energy Research
- Biomedical and Environmental Research.

See your placement office for more information, or write to:

Lawrence Livermore
National Laboratory
P.O. Box 5510, Dept. JCR
Livermore, CA 94550

An equal opportunity employer, m/f/h
U.S. Citizenship required

University of California
 **Lawrence Livermore
National Laboratory**

news roundup

World

Reagan signs Lebanon bill — President Reagan yesterday signed a bill authorizing US Marines to stay in Lebanon for 18 months. Reagan's approval of the bill was accompanied by a statement denying his need for Congressional approval. Administration officials said they would conduct a review of United States policies in the Middle East.

Nation

Watt resigns, administration seeks successor — The Reagan administration began searching for a new secretary of the interior Tuesday, following the resignation of James Watt amidst pressure his continued presence would impair Reagan's chances for reelection. Watt had said Sunday he will step down when a replacement is found. Officials said they are looking for another conservative.

Local

Legislature moves to raise drinking age — The Massachusetts House approved by voice vote Wednesday a bill which would raise the legal drinking age from 20 to 21. The bill now moves to the Senate where opposition is expected. Governor Michael Dukakis has said he would not veto the bill if the Senate approves it.

Sports

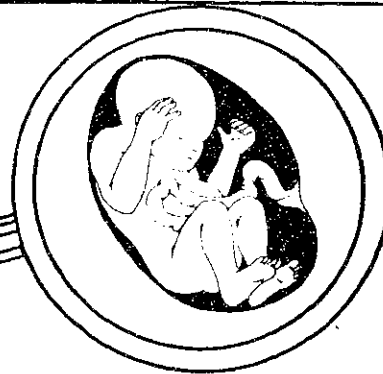
Orioles, Phillies even in series — The Baltimore Orioles beat the Philadelphia Phillies at home Wednesday night, 4-1, to tie the World Series at one game apiece. Play resumes tonight in the City of Brotherly Love.

Weather

Clearing skies, soon — Showers and possibly thundershowers this morning should end this afternoon, when the wind takes over. The humidity will drop, and the high temperature will be near 70. Clear and chilly tonight, with a low in the middle 40's. Tomorrow should be brisk and cool with highs in the middle 60's.

Daniel J. Crean

Focus On America's Future



Help Prevent Birth Defects

Support the
March of Dimes
BIRTH DEFECTS FOUNDATION

This space donated by The Tech



BRODIE AUTO RENTALS INC.
NOW AT KENDALL SQUARE

WE RENT: **DODGE COLTS—OMNIS
RABBITS—CITATIONS
STATION WAGONS**

AUTOMATIC & STICK SHIFT

•WE FURNISH GAS WITH ALL CARS EXCEPT WAGONS•

HARVARD SQ. KENDALL SQ.
NEAREST TO THE B-SCHOOL NEXT TO LEGAL SEAFOOD
90 MT AUBURN STREET 5 CAMBRIDGE CENTER

491-7600

MASTERCARD

876-7600

VISA

AM EXPRESS

THIS WEEK AT SYMPHONY HALL

OZAWA CONDUCTS TCHAIKOVSKY

FRIDAY, OCTOBER 14 AT 2:00 PM
BOSTON SYMPHONY ORCHESTRA
SEIJI OZAWA, conductor
CECILE LICAD, pianist

WEBERN Symphony, Op. 21
(commemorating the 100th anniversary of the composer's birth)
MOZART Piano Concerto No. 20 in D minor, K. 466
TCHAIKOVSKY Symphony No. 1, 'Winter Dreams'

SATURDAY, OCTOBER 15 AT 8:00 PM
BOSTON SYMPHONY ORCHESTRA
SEIJI OZAWA, conductor
FREDERICA VON STADE, mezzo-soprano

WEBERN Symphony, Op. 21
(commemorating the 100th anniversary of the composer's birth)
BERLIOZ 'Les Nuits d'été'
TCHAIKOVSKY Symphony No. 1, 'Winter Dreams'

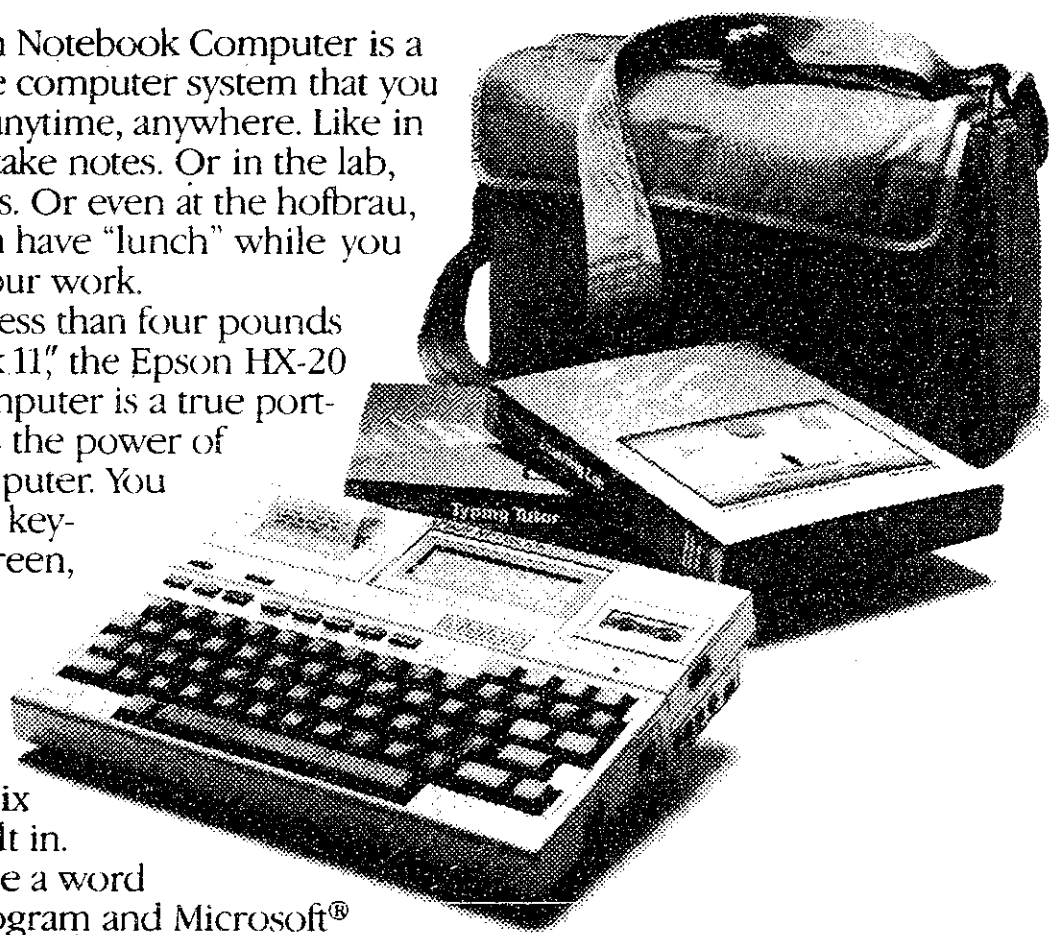


RUSH SEATS, specially-priced, first-come, first-served rush tickets priced at \$4.50 (one to a customer) are available for the Friday and Saturday subscription concerts only. Rush tickets go on sale in the Cohen Annex Lobby on Huntington Avenue at 9 am on Fridays and 5 pm on Saturdays. For information call (617) 266-1492.

Small Computer, Big Deal.

The Epson Notebook Computer is a complete computer system that you can use anytime, anywhere. Like in the library, to take notes. Or in the lab, for calculations. Or even at the hofbrau, where you can have "lunch" while you catch up on your work.

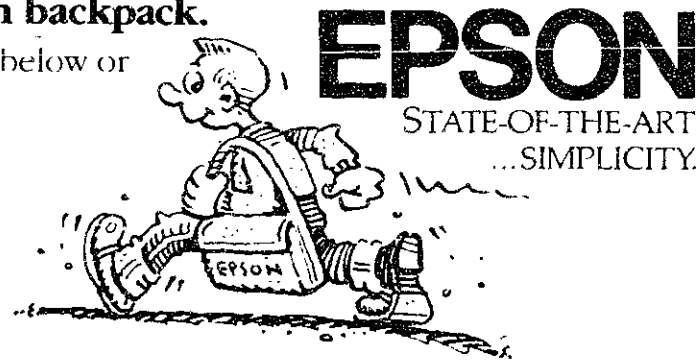
Weighing less than four pounds and only 8½" x 11", the Epson HX-20 Notebook Computer is a true portable. But it has the power of a desktop computer. You get a full-sized keyboard, LCD screen, microcassette storage unit, 50-hour rechargeable power supply, and a dot matrix printer. All built in. Also built in are a word processing program and Microsoft® BASIC. So you can write everything from term papers to programs. Anytime, anywhere.



FOR A LIMITED TIME* your local Epson dealer has a special offer for college students. Buy now, and get the complete Epson Notebook Computer with built-in word processing and BASIC, plus \$100 worth of free items, including: • Typing Tutor cassette program and manual • Learning Lab cassette program and manual • Audio cassette cable • Special Epson backpack.

See your campus Epson dealer listed below or call (800) 421-5426.

The M.I.T. Coop
84 Massachusetts Ave
Cambridge, MA 02139
617-491-4230



Opinion

feedback Student: Course VI faculty sympathetic

To the Editor:

In your issue of Friday, Oct. 7, there was an article headlined "Crowded software lab drops all sophomores." In it, the reporter stated that 6.170, the course in question, is a prerequisite for another required course, and that it is offered only one term a year. She neglected to mention, however, that the course will be offered again this spring, for the benefit of those who couldn't take it this fall. The faculty and administration of Course VI realize how bad it is for required courses to be overcrowded, and they are sympathetic to student concerns; therefore, the course is being of-

fered twice this year. The sophomores who couldn't take it first term will not be behind schedule if they take it second term instead. 6.170 is not intended to be a first-term sophomore course anyway.

In the future, when you report on things that happen in any department, which are beyond the control of the faculty or administration of that department (e.g., overenrollment in a course), please report also on the things that are being done to remedy the problem.

Ondria G. Jaffe '85
Chairman
EECS Student-Faculty Committee

A poet also claimeth she, a sophomore in old VI-3

To the Editor:

This, in response to your dry wit,
Is my attempt to say
That not all those who can
compute
Do not know how to play

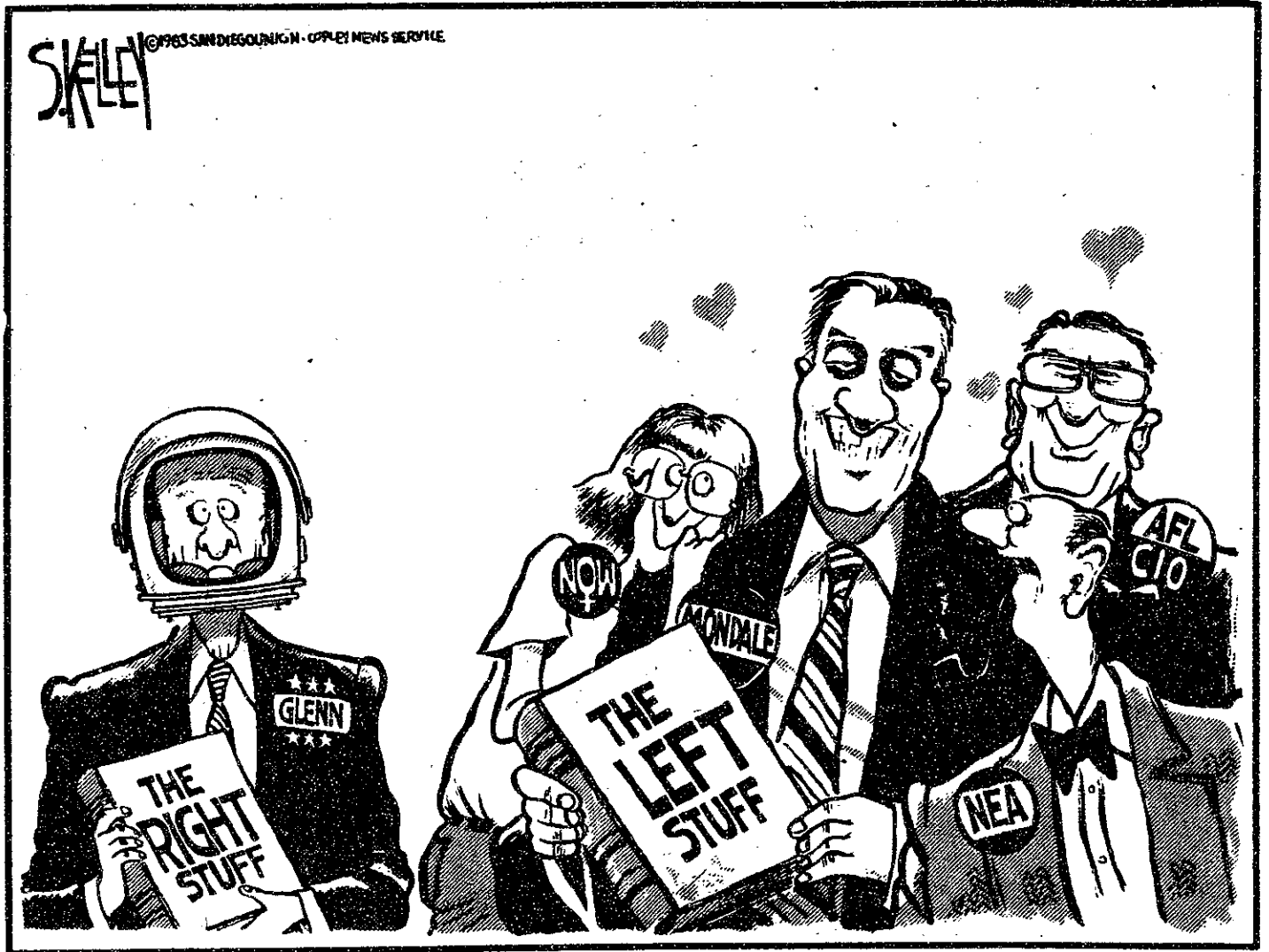
I talk to people, wash my hair
Write poems you can see,
But yet you say I am a nerd
Because I am six-three.

Well, my opinion is that he
Who spends his time each night

Praying to the MULTICS God
Because that's what he likes
Does not deserve the scorn
you give
So, let's turn things around—
How much credit do you want
For putting others down?

I realize that I must not judge
you,
But neither should you, me.
Everyone I know works hard
At good old MIT.

Lauren Singer '86



Charles P. Brown

Attitudes, goals must change

Witt's proposals will be argued and forgotten

As a General Assembly representative for the past three years, I have sat through countless meetings, listening to myriad reorganization proposals and by-laws changes, with their sponsors saying the proposals would make student government effective.

The proposals offered last week by Undergraduate Association President Michael P. Witt '84 to reorganize student government are but another recast of the same proposals and will meet the same fate: They will be argued about for a few weeks and will be forgotten.

Change is needed, but not the changes Witt proposed. Student government needs to work on things that are of interest and importance to the student body: commons, limiting enrollment in departments, Institute budget cuts, financial aid and educational policy.

The current lack of respect for the General Assembly is due to the predominance of organizational problems on its agenda. Its meetings over the past several years have been filled with tedious and trivial bureaucratic changes and other administrative nonsense. If Witt insists on push-

ing his reorganization plan in the General Assembly, he will destroy the body.

Not that there are not problems with the Undergraduate Association's structure: There are many. The most crucial of these involve the relationships between the groups that comprise student government.

The primary problem lies in defining student government. Most undergraduates — even many of those inside student government — fail to consider the full spectrum of student governmental organizations on campus: groups like the Inter-Fraternity Conference and the Dormitory Council, the Social Council and the Athletic Association, and the myriad student committees in academic departments.

The support organizations of student government should be accessible to — and their policy decisions should reflect the interests and concerns of — all these organizations.

The other crucial problem is the overriding concerns of accountability and control. The traditional fourth-floor government organizations have focused their attention on who controls whom,

not on what is done. The result is endless feuding. Groups have concentrated on protecting their own interests, rather than on solving the real problems facing their organizations.

This defensive attitude was not generated by the current leaders of the organizations, but they must consciously work to eliminate it.

The issues facing organizations need to be discussed, but not in the forum of the General Assembly. Leaders of student groups need to sit down and talk about common problems and goals. This has been done before, but on a limited scale.

Leaders of the whole spectrum of student government — from the Inter-Fraternity Conference and the Dormitory Council to the Undergraduate Association's general committees — need to develop a consensus on how they interrelate, and how they can best serve the students.

Changing the structure of student government will not change its value to students; the value of student government can be increased only if the attitudes and goals of those involved change.

The Tech

Volume 103, Number 42

Friday, October 14, 1983

Chairman..... V. Michael Bove '85
Editor in Chief..... Barry S. Surman '84
Managing Editor..... Matthew W. Giamporcaro '85
Business Manager..... Keith Tognoni '84
Executive Editor..... Robert E. Malchman '85

News Editors..... John J. Ying '84
..... Burt S. Kaliski '85
Night Editors..... Charles P. Brown '84
..... Scott I. Chase '85
Photo Editors..... Grant M. Johnson '84
..... Omar S. Valerio '85
Sports Editor..... Martin Dickau '85
Arts Editor..... Jonathan Dippert '83
Advertising Manager..... Paul G. Gabuzda '85
Contributing Editors..... David G. Shaw '82
..... Jon von Zelowitz '82
..... Max Hailperin '85
..... Daniel J. Weidman '85
Senior Editors..... Eric R. Fleming '83
..... Ivan K. Fong '83
..... Jerri-Lynn Scofield '83
..... Tony Zamparutti '84
Indexing Project Representative..... A. David Boccuti '79
Advisor..... Edwin Diamond

NEWS STAFF

Associate News Editors: Sam Cable '85, Daniel Crean '85, Thomas Huang '86, Ron Norman '86; **Staff:** David W. Bower '84, Roderick A. Dick '84, Will Doherty '84, Wei-Chung Hu '84, Ben T. Tien '84, Diana ben-Aaron '85, Gene Deune '85, Gary J. Drlik '85, Janice M. Eisen '85, Andrea Marra '85, Steve Pang '85, Jake Tinio '85, Joel Gluck '86, James J. Reisert '86, Paul Sheng '86, Ellen L. Spero '86, Ai Yen '86, Kevin D. Hurst '87, L. S. Wiener '86.

BUSINESS STAFF

Advertising Accounts Manager: Dave Ramahi '86; **Production Accounts Manager:** Mark Brine '85; **Circulation Manager:** Jari Georgia; **Distribution Manager:** Kyle McKinney '83.

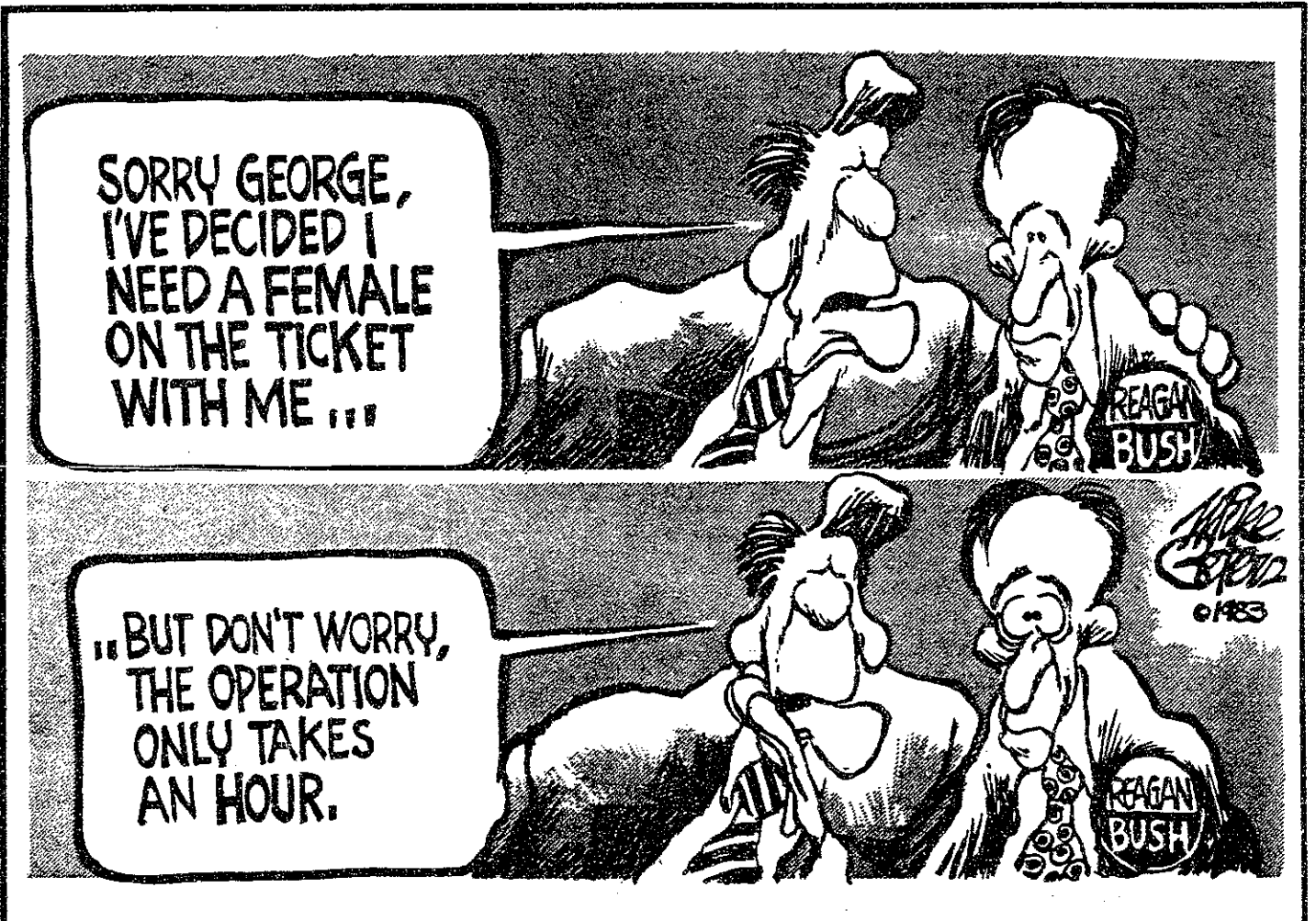
PRODUCTION STAFF

Associate Night Editor: Amy S. Gorin '84; **Staff:** H. Stewart Cobb '85, Bill Coderre '85, Ron Bloom '86, Carl A. LaCombe '86, Ronald Becker '87, Simson L. Garfinkel '87, Andrew S. Gerber '87, Kathleen M. O'Connell '87, Tim McNerney; **Typist:** Sheena.

PRODUCTION STAFF FOR THIS ISSUE

Night Editor..... Scott I. Chase '85.
Staff: David Shaw '83, Bill Spitzak '83, Charles P. Brown '84, Amy S. Gorin '84, Mary C. Ystuenta '86, Simson L. Garfinkel '87, Andrew S. Gerber '87.

The Tech (ISSN 0148-9607) is published twice weekly during the academic year (except during MIT vacations), weekly during January, and tri-weekly during the summer for \$10.00 per year. Third Class by The Tech, 84 Massachusetts Ave. Room W20-483, Cambridge, MA 02139. Third Class postage paid at Boston, MA. Non-Profit Org. Permit No. 59720. POSTMASTER: Please send all address changes to our mailing address: The Tech, PO Box 29, MIT Branch, Cambridge, MA 02139. Telephone: (617) 253-1541. Advertising, subscription, and typesetting rates available. Entire contents © 1983 The Tech. Printed by Charles River Publishing Inc.



opinion

feedback

Nuclear-free supporters attack 'misconceptions'

To the Editor:

As most people are by now no doubt aware, there will be an act on the ballot this November to make Cambridge a nuclear-free zone. As evidenced by Simson L. Garfinkel's column in *The Tech* [Sept. 27], however, there seem to be numerous misconceptions about this act.

This act prohibits "the research, development, testing, evaluation, production, maintenance, storage, transportation, and/or disposal of nuclear weapons or the components of nuclear weapons" in Cambridge. To Mr. Garfinkel, the word "evaluation" means MIT could not teach any more courses on nuclear devices or nuclear war. This, however, is not the case. In defense jargon, "evaluation" refers not to university teaching, but to Defense Department programs aimed at acquiring and deploying new weapons systems. As Caspar Weinberger said in his 1984 report to Congress, "Research, Development, Test, and Evaluation (RTD&E) activities lay the groundwork for the acquisition and deployment of affordable, reliable, and supportable weapons and equipment needed to give our armed forces the means to carry out their assigned missions." Furthermore, the Nuclear Free Cambridge Act prohibits provisions like this from being misconstrued, by saying, "Nothing in this act shall be construed to prohibit or regulate any activity not specifically described in Section 3 [the section prohibiting nuclear weapons work, and] ... basic research, the primary purpose of which is not to work towards the development of nuclear weapons.

Mr. Garfinkel goes on to say that the sponsors want Cam-

bridge nuclear-free because "they do not feel comfortable with technology they cannot understand." One does not need to be an expert to have a pretty good idea of how an airplane flies, a submarine moves, or a rocket works. Last year, Professor Jerome Wiesner, science advisor to presidents Eisenhower and Kennedy, gave a talk entitled, "The Myth of Experts." In that talk, Professor Wiesner stated, "The more important a decision, the less expert the decision maker," and the general public is "as qualified as any expert to make decisions about things, that really matter."

Mr. Garfinkel continues, "they think 'the use of resources for nuclear weapons prevents these resources from being used for direly-needed human services.'" Well, doesn't it? Mr. Garfinkel goes on, "But Nuclear Free Cambridge goes further than saying the resources being used for nuclear weapons for other purposes: They make it mandatory." Here Mr. Garfinkel is totally incorrect.

The act merely sets up a commission — a commission with no

(Please turn to page 7)

ELECTRICAL ENGINEERS

MECHANICAL ENGINEERS, CHEMICAL ENGINEERS, PHYSICISTS

Our recruiter will be visiting your campus on

October 19, 1983

Contact the job placement office for interview times and appointments.

Judge the patentability of scientific and engineering discoveries made by R & D engineers, inventors and scientists world-wide as a

PATENT EXAMINER

in Washington, D.C.

The Patent and Trademark Office has unique career opportunities offering • Challenge and responsibility • Career growth • Outstanding career Federal Government service benefits

For more information about your career as a Patent Examiner contact:

Manager, College Relations
Office of Personnel
Patent and Trademark Office
Washington, D.C. 20231

Call toll-free 800-368-3064
(703) 557-3631 (Collect in VA)



An Equal Opportunity Employer m/f • U.S. Citizenship Required

ELRON
ELECTRONIC INDUSTRIES LTD.

אֵלְרוֹן
תעשייה אלקטרונית בע"מ

The Venture Capital Arm of ELRON ELECTRONIC INDUSTRIES LTD. an ISRAELI hi-tech holding company is interested in financing and supporting new high-technology ventures in Israel or in the U.S. with a branch in Israel.

ELRON offers:

Support at the initiation stage in the U.S. and Israel
Assistance in the development of business strategies and business plan
Assistance in personnel recruiting

For further details contact:

Mr. Gideon Tolkowsky
ELRON TECHNOLOGIES, INC.
1350 Ave. of the Americas
New York, N.Y. 10019
(212) 887-1510/1511

Editorials, marked as such and printed in a distinctive format, represent the official opinion of *The Tech*. They are written by the Editorial Board, which consists of the chairman, editor in chief, managing editor, executive editor, and news editors.

Columns are usually written by members of *The Tech* staff and represent the opinion of the author, and not necessarily that of the newspaper.

Letters to the Editor are written by members of the MIT community and represent the opinion of the writer.

All submissions should be typed, double spaced, on a 57-character line and bear the authors' signatures. Unsigned letters will not be printed, but authors' names may be withheld upon request. *The Tech* reserves the right to edit or condense all letters.

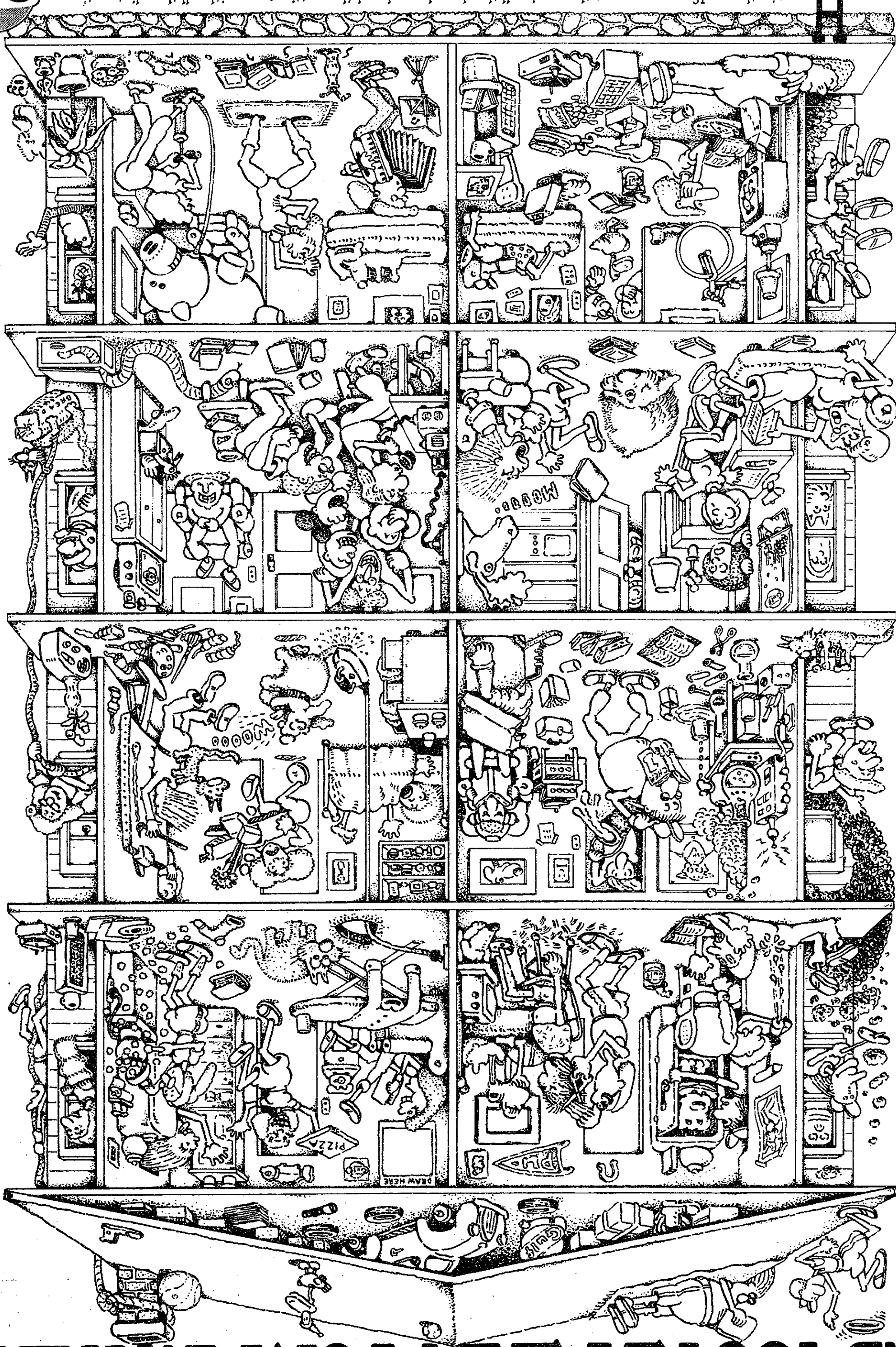
JOHN'S BARBER SHOP

16 Prospect Street
Central Square
492-2962

HAIRCUTS \$4.75
any style

Open 7:30AM — 6:00PM
Closed Wednesdays
and Sundays

GET THROUGH COLLEGE AND YOU'RE READY FOR ANYTHING.



If you can get through all the hard work while putting up with all the distractions, you'll be ready for anything. Including graduation. What's more, you'll have a real education.



For a free color poster, send your name and address to: Free Poster Dept., C. P.O. Box 1166, Pittsburgh, PA 15230. © Gulf Oil Corporation - 1983

opinion

feedback

Act would send strong message to Washington

(Continued from page 5)

power to tell anyone to do anything — to study the issue and see if it can come up with any recommendations on ways to redirect resources to meet human needs.

After informing the reader about democratic society and private property, Mr. Garfinkel states that, "The authors believe it is their right to pick and choose what fruits of nuclear technology society should harvest." No, they don't. They believe society should decide, and that is what they are trying to do.

As stated in MIT's friend-of-the-court papers, MIT's problem with the act is that "As drafted, and especially since it is unclear how the intent of a researcher would be determined, the ban could apply to research and writing in mathematics, physics, engineering, and other sciences, as well as to studies conducted by professors of government, economics, or other social sciences related to nuclear weapons issues." It would be evident from the contracts whether or not the primary purpose of the research is work toward nuclear weapons.

In closing, perhaps, we should state problems we have with the act. In the event of a nuclear war, the bomb that destroys Boston

would destroy Cambridge. Thus, whether or not Cambridge is a "priority target" will not matter, and there should be no change in the "psychological health" of the people of Cambridge. We support this act because, as the act says, "The city's failure to prohibit work on nuclear weapons would imply an endorsement of policies which encourage widespread death and destruction, and this endorsement is contrary to the values of the people of Cambridge," and because we want to send a strong signal to Washington.

Jordan Voelker '85
Allan J. Matthew '83
Tricia Kellison '84
Jerry Frost '86

classified advertising

Classified Advertising in The Tech: \$5.00 per insertion for each 35 words or less. Must be prepaid, with complete name, address, and phone number. The Tech, W20-483; or PO Box 29, MIT Branch, Cambridge, MA 02139.

Problems with writing? English composition? History and philosophy term papers? Solve them with an experienced, patient, and reasonably priced private tutor. No endeavor too large or small. Call 864-3823.

Is it true you can buy jeeps for \$44 through the U.S. Government? Get the facts today! Call (312) 742-1142 Ext. 5890

English Conversation Class for foreign wives (and others). Intermediate to advanced level. Small group led by professional teacher. Arlington Center, Fridays 9:45-11:45 A.M. Starting Oct 21 (8 Weeks). Call 646-5576 for more information.

Boston Apartment
2 gay/bi M studs (har.har) seek F or M for nice apt in Boston. Vegetarian, no pets, pref. \$275/mo. Start Nov or Dec. 262-3485.

2 Quilted Twin Bedspreads, Danish Chair, Porch Rocker, \$15 each, 2 plastic tables \$5 each. 547-0880

REDSKINS FANS - Let's go to NYC and see the Giants-Skins game on Sunday, Nov. 13, leaving that morning and returning immediately after the game. I can drive, unless you would prefer to. I'll check on ticket availability. Call Drew at 266-3781.

MOVING SALE. Saturday 10/15, 9 - 4, Sunday 10/16, 1 - 4. 27 Holworthy St., Cambridge--Off Mt. Auburn near Star Market. Furniture, Art, Women's Clothes 10-12, Misc. Quality Items

TYPING: For Business and academic community. Low rates. Fast, accurate. Experienced, executive secretary with BA. References available. Phone Carolyn: 491-1082 (Cambridge)

COUNCIL TRAVEL / CIEE
for Int'l Student ID, Budget Air Fares, USA Flights, Youth Hostel card, Eurail pass, Work and Study abroad, and much more! **FREE CATALOG-CALL** 497-1497 or drop by 1278 Mass. Ave. Harvard Square, Cambridge, MA 02139

The MIT Equipment Exchange offers surplus equipment and used typewriters to students and staff at reasonable prices. Located in Building NW30, 224 Albany Street. Open Mon., Weds., Fri., 10 am - 1pm.

Honda Owners

- NOW SPECIALIZING IN HONDA CARS ONLY
- ALL WORK GUARANTEED
- HONDA FACTORY TRAINED MECHANICS
- HOURLY RATE: \$6.00 BELOW DEALER

CARL'S SUNOCO

HONDA HOUSE
209 Broadway, Camb., MA 547-1950
(NEAR KENDALL SQ. AND MBTA)

10% Off All Labor
On any Honda with this coupon
GET IT DONE RIGHT THE FIRST TIME AND PAY LESS!!



THE NATIONAL COLLEGIATE DRIVING CHAMPIONSHIPS

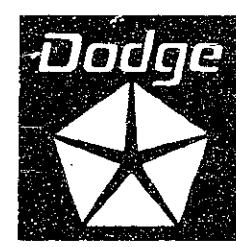
COMES TO

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Saturday and Sunday, October 15th and 16th from 9:00 to 5:00 at the WEST GARAGE PARKING ANNEX across from the football field.
Sponsored by Delta and Social Council.
All registered students with a valid driver's license may enter!

Drive the revolutionary
1984 Dodge Daytona Turbo,
America's first turbo powered,
front-wheel drive sportscar.



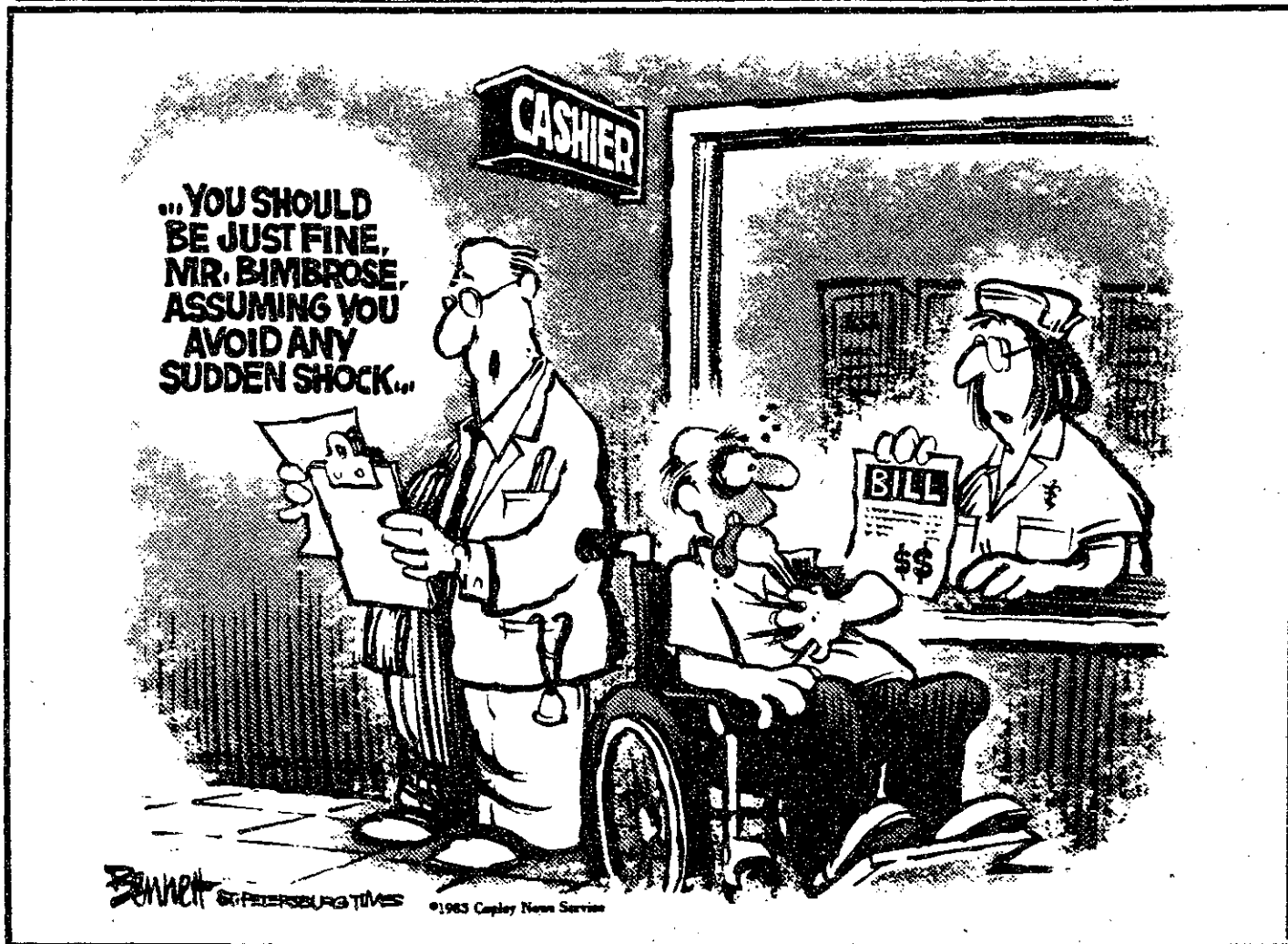
Your chance to win a trip to Daytona Beach. More than \$25,000 in prizes awarded. No purchase necessary. Official rules available at competition site.



An American Revolution

Complimentary soft drinks will be served courtesy of 7-Up.

Opinion



Double helping.

Franklin's 1200 OMS serves your business with two computers in one.

Now you can have an office management system that runs both CP/M® and Apple® compatible programs. That means more than 21,000 software packages are available for your business. As you need them. But just for openers, Franklin's OMS includes:

- ACE 1200 OMS personal computer
- WordStar® word processing
- MailMerge® file merging
- ACECalc™ spreadsheet analysis
- Welcome program
- BASIC and CBASIC
- Serial/parallel interface
- 80-column display

Franklin
Computer



Let yourself be tempted. Stop in today.

E. L. I. COMPUTERS, INC.
139 Hampshire Street
CAMBRIDGE, MA 02139

(617) 492-2345
FREE PARKING

Franklin ACE and ACECalc are trademarks of Franklin Computer Corporation. CP/M is a registered trademark of Digital Research Inc. Apple is a registered trademark of Apple Computer Inc. WordStar and MailMerge are registered trademarks of MicroPro.

notes

Listings

Student activities, administrative offices, academic departments, and other groups — both on and off the MIT campus — can list meetings, activities, and other announcements in *The Tech's* "Notes" section. Send items of interest (typed and double spaced) via Institute mail to "News Notes, *The Tech*, room W20-483," or via US mail to "News Notes, *The Tech*, PO Box 29, MIT Branch, Cambridge, MA 02139." Notes run on a space-available basis only; priority is given to official Institute announcements and MIT student activities. *The Tech* reserves the right to edit all listings, and makes no endorsement of groups or activities listed.

Friday, October 14

The Registrar's office reminds students that today is the last day to add subjects to registration. Also, juniors and seniors are reminded that today is the last day to change an elective to or from pass/fail grading.

The annual Harry S. Truman Scholarship Awards will be made to current sophomores. The awards will be for \$5,000 and are renewable for the senior year and for up to two years of graduate study. Two MIT students will be nominated by the Institute. Any student wishing to be considered should contact Dr. Louis Menand III, Room 3-234, x3-7752, no later than today.

Saturday, October 15

A colloquium on "Issues and Positions in Contemporary Architecture" will take place at the Harvard Graduate School of Design from 9:30 a.m. to noon. The colloquium is inspired by the design competition for the Ohio State University Center for the Visual Arts; an exhibition of the finalists models and drawings will be shown in conjunction with the colloquium.

Tuesday, October 18

An exhibition of the mixed media works landscapes of artist Rose Ventling opens today and runs through Nov. 18, at the MIT Museum, 265 Mass. Ave. Call x3-4444 for more information.

RESEARCH...

With An Emphasis On Challenge

The Washington Research Center is the central research facility of W.R. Grace & Co., a multinational corporation with worldwide interests in chemicals, natural resources (coal, oil, and gas), and selected consumer services. Grace is the world's leading specialty chemical concern and one of the nation's largest chemical companies. Dramatic advances are being made in areas ranging from inorganic, organic, and specialty chemicals to polymers, catalysts/catalytic processes, biochemistry, and electrochemistry.

The Research Center, site of Grace's Research Division and the research activities of the Davison Chemical Division, is located in a well-equipped facility on approximately 150 acres of land in Columbia, Maryland. Our planned community offers quality housing, health care, and recreation facilities, convenient shopping, and excellent educational facilities. Geographically, Columbia is equidistant between Baltimore, Maryland and Washington, D.C., with ready access to extensive cultural and entertainment activities.

If you have a Ph.D., or are graduating from a Ph.D. program in chemistry, biochemistry, or chemical engineering and are interested in the research activities of Grace, meet with us when our representatives visit your campus on Wednesday and Thursday, Nov. 2 & 3, 1983.

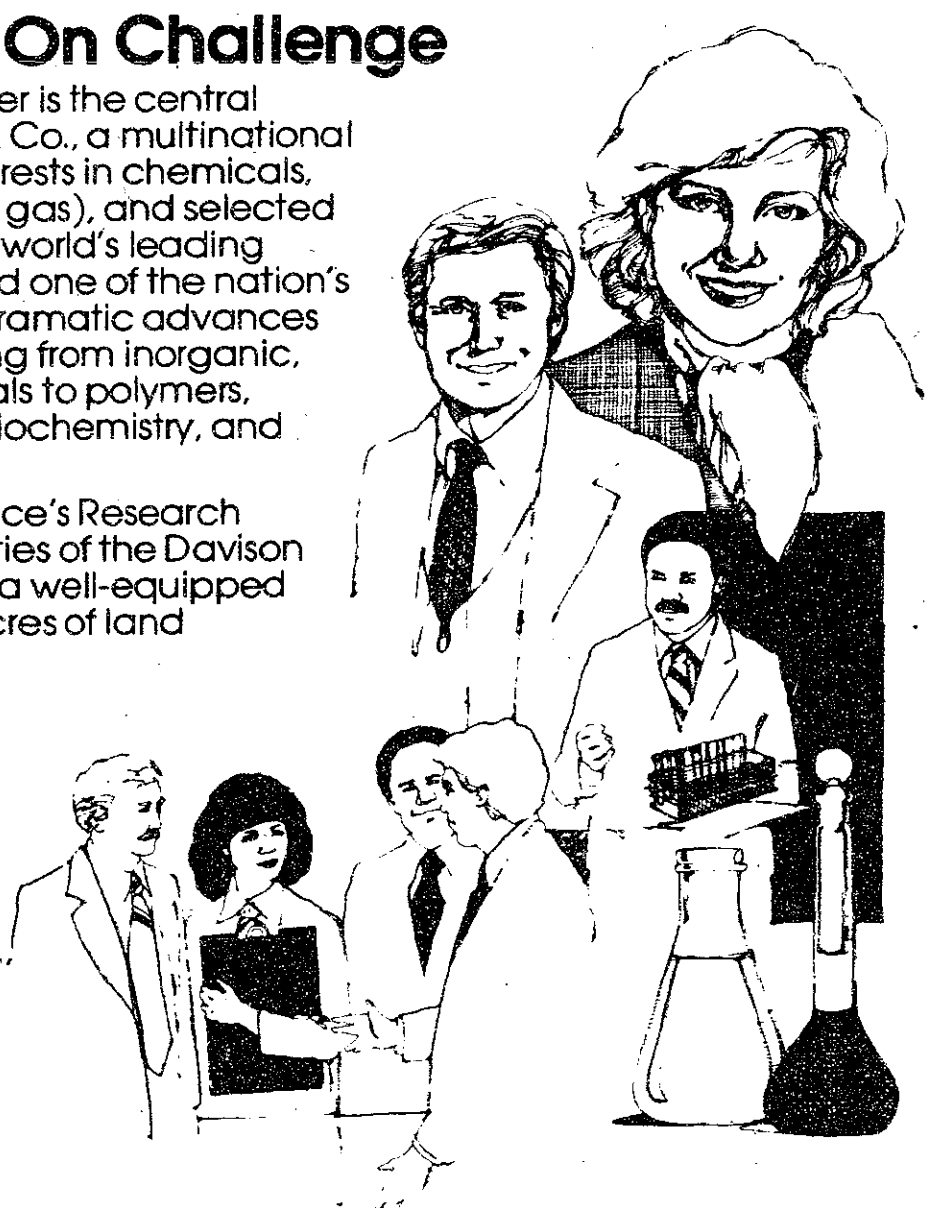
W.R. GRACE & CO.
7379 Route 32
Columbia, MD 21044

An Equal Opportunity Employer

One step ahead of a changing world.

GRACE

chemicals • natural resources • consumer products



notes

Listings

Sunday, October 16

A presentation of the facts surrounding world starvation will be presented at the **Ending Hunger Briefing** on from 2 p.m. to 5:30 p.m. in room 4-163. The seminar is free and open to all members of the MIT community; for more information, call David Todd, x5-7163.

The Cambridge Civic Association candidates will sponsor a **Speak Out on Women's Issues** from 4 p.m. to 7 p.m. at the First Parish Church, 3 Church Street, Harvard Square. The forum is free; CCA is a nonpartisan citywide organization working to make

city and school management responsive to citizens' needs.
* * * *

Wednesday, October 19

The Greater Boston Physicians for Social Responsibility will hold a film and panel discussion at 7:30 p.m., on **The Psychological Effects of Growing Up in a Nuclear Age**. The event will take place at the Sanborn School, 835 Marlboro Road, Concord. For more information, call Gail Epstein, Chapter Director, at 497-7440.

Thursday, October 20

The American Connection with Klaus Barbie is the subject of a lecture to be given by John Loftus at the MIT Hillel-Sparrow Memorial Lecture in the MIT Student Center Mezzanine Lounge. The program is open to the public. For more information, contact Miriam Rosenblum, x3-2982.

HALLOWEEN COSTUMES

For rent by the MIT Shakespeare Ensemble. If interested, call the Ensemble office at x3-2903 or stop in (we're in the Student Center). Rate — \$10.00. Male and Female Costumes available.



we cut hair for your ego not ours.

NOW 2 LOCATIONS !!

WHAT IS A Supercut?

- A **Supercut** is Custom Designed
 - A **Supercut** is Precision Cut
 - A **Supercut** is a Finished Product
 - A **Supercut** is for Men, Women & Children
 - A **Supercut** is Beautiful
- and .. a **Supercut** is always **\$8**

No Appointments
CAMBRIDGE

264 MONSIGNOR O'BRIEN HIGHWAY (TWIN CITY PLAZA) 666-1640

M-F 9-8 SAT 9-7

OPENING OCTOBER 3rd !! 2150 MASSACHUSETTS AVE.

Shampoos and blowdrys are available at additional cost.

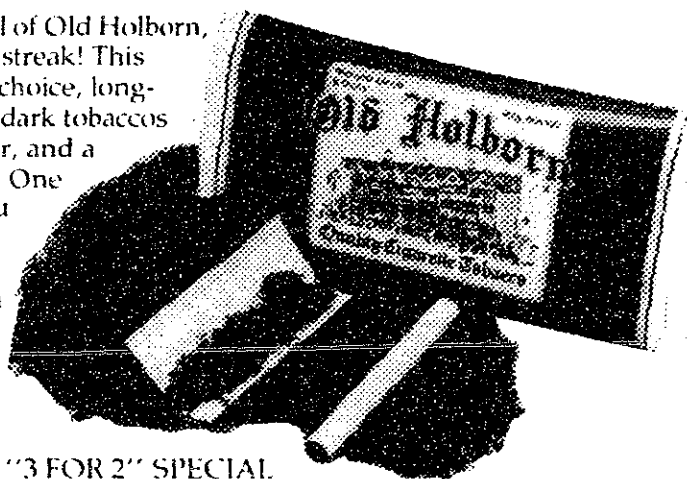
© 1979, Rev. 1982, EMRA Corporation

NOW YOU CAN ROLL WITH THE BEST!

Old Holborn

Blended Virginia Cigarette Tobacco

With your first roll of Old Holborn, you're really on a streak! This winning blend of choice, long-burning light and dark tobaccos treats you to flavor, and a distinctive aroma. One puff will teach you why Old Holborn is so popular the world over...from Amsterdam to Marrakech!



LIMITED OFFER "3 FOR 2" SPECIAL. GET A POUCH OF OLD HOLBORN FREE -- WHEN YOU BUY TWO POUCHES AT THE REGULAR PRICE!

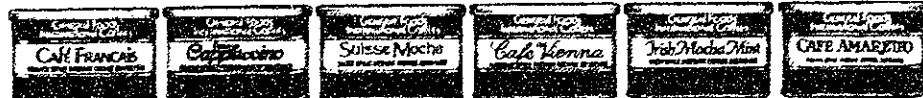
Available At: All Tobacco Shed Stores • Tobacconists Ltd. • All C.B. Perkins Tobacco Shops • Leavitt-Pierce • David P. Erlich • Harvard Tobacco (Macy Liquors) • Also Available At Your Local College Book Store.

IMPORTED FROM LONDON ENGLAND Exclusive U.S. Distributor JAMES B. RUSSELL INC. Englewood, New Jersey 07631

How to make peace with Tolstoy.



If the academic wars are getting you down, declare a cease-fire. Take a break with a rich and chocolaty cup of Suisse Mocha. It's just one of six deliciously different flavors from General Foods® International Coffees.



GENERAL FOODS® INTERNATIONAL COFFEES. AS MUCH A FEELING AS A FLAVOR

Available at: **MIT COOP**



© General Foods Corporation 1983

GO TO THE TOP OF THE CLASS FOR \$60.

Stay at a top class hotel for just \$60? It's true. We've slashed the regular weekday rate at Stouffer's Bedford Glen Hotel a whopping 40% on weekends. That's great news for grads expecting out-of-town family and friends. Great location, too, just 30 minutes from Boston. Great facilities, including indoor pool, in and outdoor tennis. Complimentary HBO, morning coffee and newspaper. Casual or elegant dining. Now, stay first class any Friday, Saturday or Sunday (subject to availabilities). For reservations, call your Travel Agent or (617) 275-5500.

Or toll-free 800/325-5000.



B.D. to Dallas, Mike to B-school, Doonesbury to

Doonesbury, book and lyrics by Garry Trudeau, music by Elizabeth Swados, directed by Jacques Levy. At the Wilbur Theatre through Oct. 30.

Do you still look for that comic strip in your morning newspaper despite its almost year-long absence? Do you despair of surviving without its acerbic witticisms? Take heart: A new chapter has been written in the *Doonesbury* saga.

Garry Trudeau announced last summer he would take a 20-month sabbatical from drawing his Pulitzer-Prize-winning comic strip to write a musical comedy featuring its characters, and expressed a desire to have his people make a graceful transition into the '80s as full-fledged adults unhin-

dered by an anachronistic setting. Although Trudeau's goal is not fully realized — nor can it be, considering the comic's characters and their backgrounds — he has written surprising changes into an already unpredictable microcosm.

Doonesbury begins with the residents of Walden commune preparing for the ultimate indignity: commencement day. Tomorrow they will be forced from *alma mater's* protective womb into the harsh reality of the outside world. Even Zonker, who has managed to save several sheep from untimely deaths, cannot escape his certain fate. Mike is planning to "go the B-school route"; B.D. has been drafted by the Dallas Cowboys.

Boopsie, aspiring to a position on the

famous cheerleading squad, plans to follow B.D. to Dallas — a career move meant to serve as a stepping stone to her true calling as a Hollywood actress.

Mark and Zonker are sure of their plans: They don't have any. Zonker tells everyone his tanning career is over, but his plants convince him otherwise, so off comes the shirt and on goes the official George Hamilton tanning butter.

In addition to his B-school aspirations, Mike harbors a secret: He plans to ask Joanie Caucus' semi-estranged daughter, J.J., to marry him. He has carefully scripted his planned proposal and prepared a minute-by-minute schedule for the impending Commencement weekend.

Joanie stops by Walden with her baby to

pay her respects to the graduates; it was Mike and Mark who picked hitchhiking after she left her farm; has never forgiven her mother for doing her for what she considers reasons, and the friction that surges between them is inevitable.

Meanwhile, a continent away, Z Uncle Duke is on trial for a DeLoque cocaine deal. Honey, Duke's translator and accomplice in various exploits, testifies as a character witness for him. Duke, found guilty, is sentenced to five years' probation on the condition he set up a drug rehabilitation center. His choice for housing "two busloads of kids" is (naturally) Walden, and he is in on the assembled crew at dinner

Doonesbury

REWARD

An electronic device is needed by our firm. We call it a "CONCENSUS TAKER" . . . and it hasn't been invented yet.

We will pay up to \$1,000 for a working model and we guarantee the inventor considerable publicity. For details, write David Isaacson, Life Associates, One State St. Boston, Ma. 02109.

Montgomery Frost Lloyd's Inc. Prescription Opticians Quality Eyewear Since 1870

Prescriptions Filled Quickly and Accurately
Ray-Ban, Vuarnet,
and Porsche Carrera Sunglasses

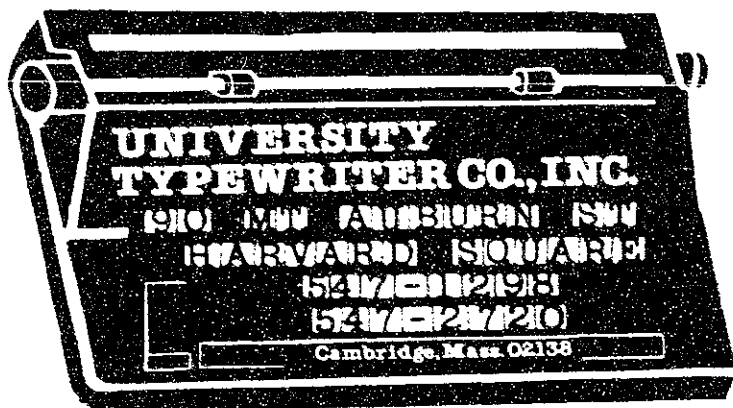
20% Off On All Prescription Eyewear
With M.I.T. I.D.

Offer not valid with other promotions
Cambridge store only

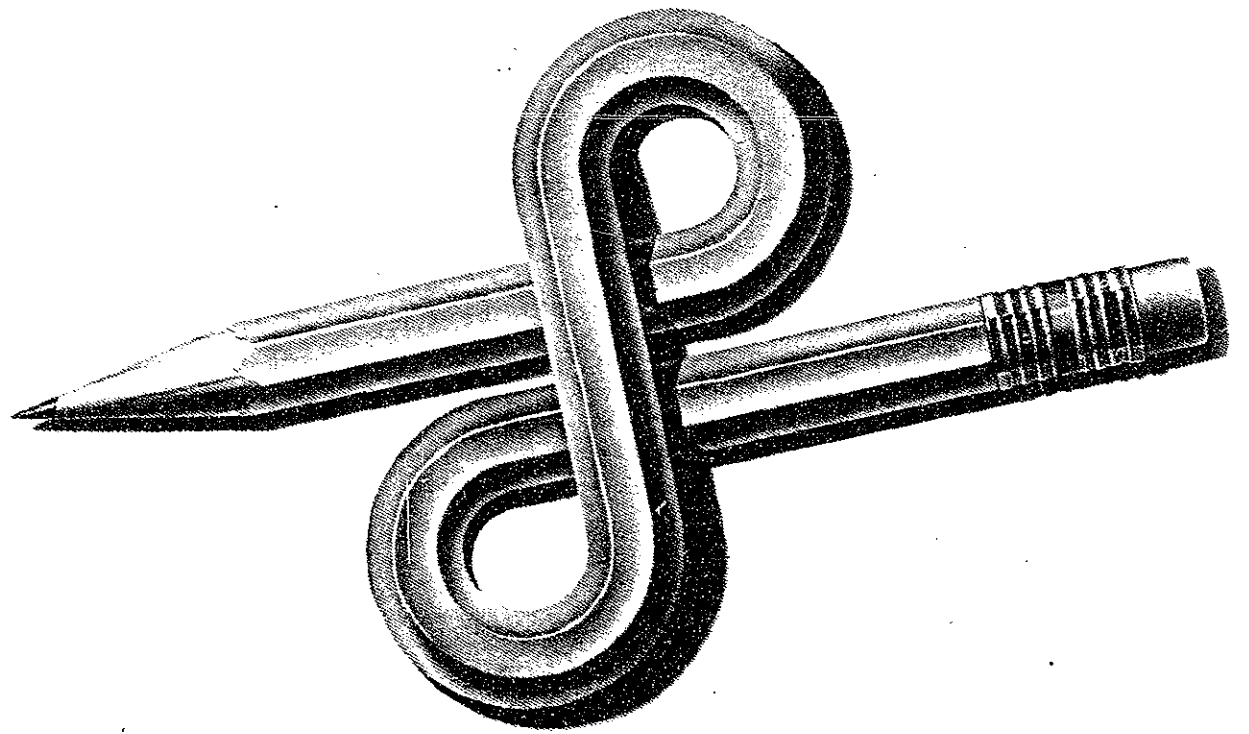
5 Brattle St. (Harvard Sq.), Cambridge
876-0851

UNIVERSITY TYPEWRITER CO., INC.

Repairs • Sales • Rentals
Electronic, Electric, and Manual Typewriters
New and Used • Quality Ribbons



547-2720 90 Mt. Auburn St.
547-1298 At Harvard Square
Cambridge, MA 02138



We're looking for people who don't think straight.

If you've always looked for what's around the corner rather than what is straight ahead, consider a career with Linkabit.

Linkabit didn't get to where it is today by way of tunnel vision. We're a leader in the design, development and manufacture of satellite and terrestrial communications equipment, specializing in local communication networks, encryption, forward error correction and high speed modulation. Our people are very creative, free thinking individuals who look beyond obvious solutions to find advanced, innovative ways to meet the demanding needs of this industry.

To help keep new ideas flowing, we've made sure that all career paths are flexible. Our engineers, for instance, are assigned to projects depending on their interests and abilities. As one assignment is completed, new opportunities are made available in a variety of areas.

Because our projects are very diverse and complex, we utilize the most advanced equipment available. And our staff is comprised of professionals with a wide range of expertise.

Our company is expanding rapidly, and we're constantly looking for talented people interested in communications

systems, digital hardware or software engineering. We have positions available in San Diego, Boston and Washington, D.C.

Company Presentation
Thursday, October 20
4 p.m. - 6 p.m.
Building 4, Room 149

On Campus Interviews
Friday, October 21

Please contact your College Placement Office to arrange an interview appointment. If you are unable to meet with our representatives, please forward your resume with college transcripts to: Dennis Vincent, M/A-COM LINKABIT, 3033 Science Park Road, San Diego, CA 921121.



M/A-COM LINKABIT, INC.
Equal Opportunity
Affirmative Action Employer

Broadway

ARTS



deliver the news: Vacate in 24 hours or face heavy gunfire.

Act 1 rehashes old routines from the comic strip, but they are funny enough to merit a second hearing. They reacquaint the audience with *Doodles*'s characters, and set up forthcoming scenes. The majority of Act 2 deals with the various characters' emotional traumas — B.D.'s trade to the Seattle Seahawks, Joanie and J.J.'s problems getting reacquainted with each other, and Mike and J.J.'s engagement — but treats them too poignantly when high comedy had previously been the rule.

The serious underpinnings are lightened by Duke's slapstick antics: At one point he drives his bulldozer through the Walden living room, bemoans the fact that he "needs to get a new pharmacologist," and proceeds to swat at invisible bats before passing out.

Mark manages to land a job in a most unconventional way: During his final broadcast at the college radio station, his interview subject, Roland Burton Hedley Jr., convinces Mike to ask his radio listenership to call and pledge their support and keep him on the air. The result: a job at an all-talk station on Long Island.

The closing scene sees everyone graduate with many of their intra- and interpersonal problems on the way to being worked out, if not completely resolved. When Trudeau resumes drawing *Doodles* next year, he will use the actions of this play as a springboard for the future exploits of his *ménage*. It will be exciting to watch the strip evolve from its collegiate setting.

Doodles is superbly cast, with great attention paid to the subtleties of each character's personality. Representing three-

dimensional figures in a two-dimensional comic strip world is not an easy task, and care had to be taken to ensure the continuity from newspaper to stage. The actors and actresses of the troupe are by no means new to their craft, but none are yet household names.

Of particular note in the ensemble are Ralph Bruneau, who delivers an oafish yet sensitive portrayal of Mike; Laura Dean, who portrays a Boopsie who aspires to be more than a stereotypical, vivacious, dumb blonde; and Gary Beach, who interprets Duke as a maniacal, self-serving jerk, somewhat reminiscent of *Hill Street Blues*' SWAT team commander Howard Hunter — with none of the latter's better attributes.

A Broadway musical lives or dies by the quality of its songs. *Doodles*'s lyrics are of sufficient quality to stand by themselves, yet the music is little more than pleasant background with synth-pop overtones and no memorable melodies. There are a number of tender ballads, such as Mike's sexual lament "Just One Night" and Joanie and J.J.'s duet "Mother"; a few rockers like "Another Memorable Meal" (a paean to inedible food everywhere — in this case Mike's lasagna); and "Complicated Man," a hilarious duet between Honey and Boopsie in which they compare their respective boyfriends.

Doodles is a near-brilliant comedy, and should be a critical as well as commercial hit on Broadway despite a few minor glitches. The show is definitely leaving town at the end of this month, and tickets are both scarce and expensive, but don't let this stop you. It is, as Zonker would say, "far freakin' out!"

Drew Blakeman

The Company

Megatest builds the finest LSI testers in the world. Our systems test more microprocessors, EPROMs and Bubble Memories than anybody else's. They have broken all industry records for reliability. They have altered the way people think about device testing.

We've attained this standing in the industry while remaining a small, friendly, employee-owned company. How? By creating an environment that rewards creativity, effort and results, not politicking, rank or tradition. And by emphasizing neat ideas more than neat desks and neat dress.

The Job

We are now designing new test systems which will handle the "super-chips" of the future. These systems will require astoundingly powerful computers and near-perfect analog support circuitry. They will be specified in terms of picoseconds, nanoamps and gigabits.

We need people with as much potential as our new systems in the following areas:

Computer Scientists (language processors, interactive development tools)

Analog and Digital Engineers (high-speed ECL gate arrays and hybrids)

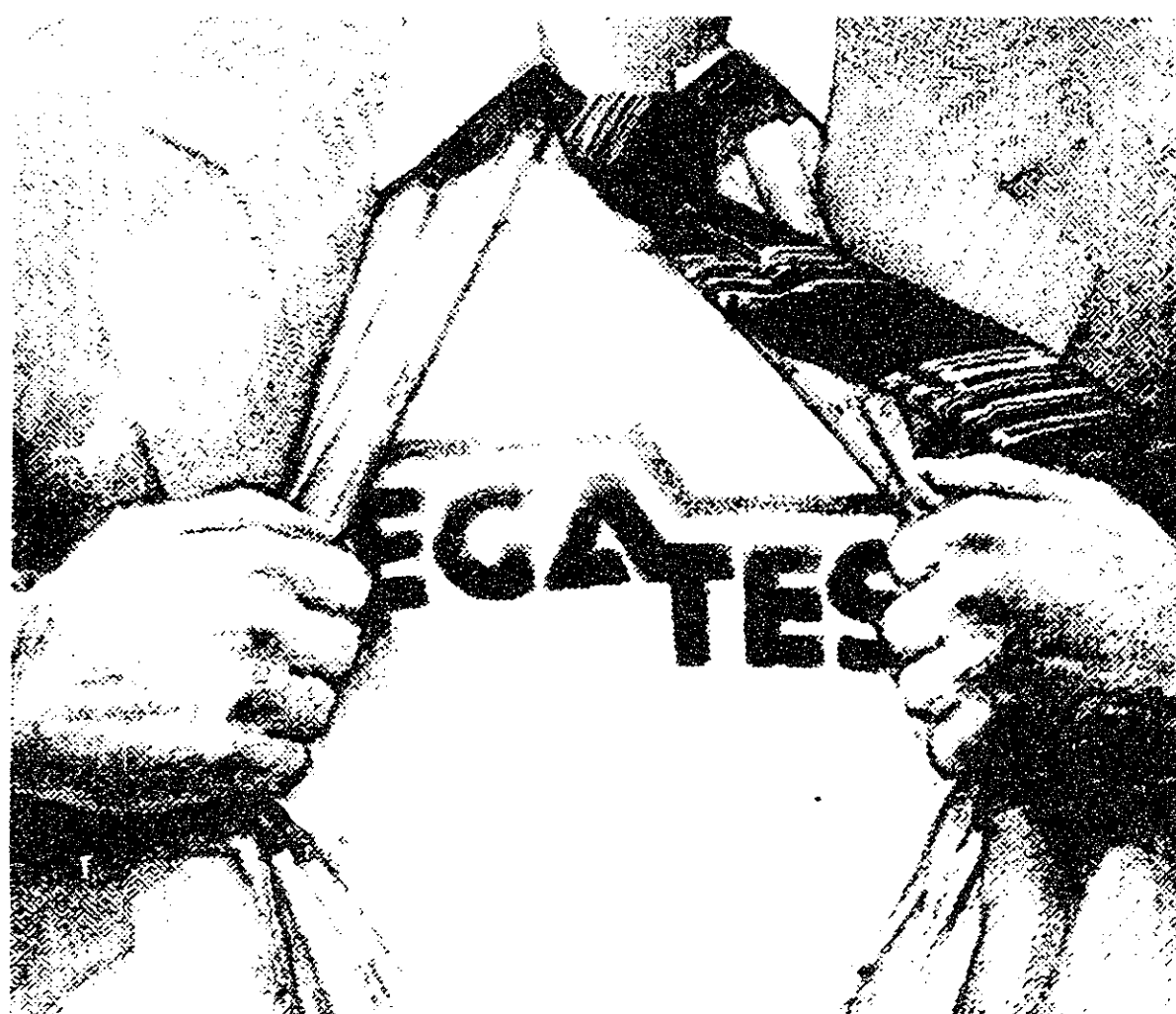
Marketing Engineers (combines technical and marketing skills)

The Potential

The range of professional opportunities at Megatest is almost unlimited and we've perfected a management style that makes it possible to move freely among them. You follow your instincts and ambitions. If you've got potential you can unleash it at Megatest.

Drop by. We'll be on campus — Friday October 21 and Monday October 24, at the Career Planning and Placement Center.

POTENTIAL IN ELECTRONICS IS MORE THAN JUST VOLTS



UNLEASH YOURS AT MEGATEST.

BRADLEES... THE DEPARTMENT STORE WITH A DIFFERENCE.



Fashion-detailed jackets and coats

25% OFF!

29.99 TO 52.49 REG. 39.99 TO 69.99

Find bike jackets, stadium coats, pantcoats, long coats and more. Some quilt and hooded styles in group. Polyester-cotton poplin or chintz, cotton corduroy and wool-nylon-acrylic shells with acetate, nylon and acrylic sherpa linings. Juniors' and misses' 5/6-15/16, S-M-L; women's 16½-24½. Styles may vary by store.

Buy the coat you want now at big savings and pay later, use our layaway!

One of The Stop & Shop Companies
Bradlees
THERE'S ALWAYS A NEW REASON TO SHOP BRADLEES

NOW THRU SATURDAY



SOMERVILLE • WATERTOWN • CHELSEA • DEDHAM • FIELDS CORNER
MEDFORD • ROSLINDALE • MORRISSEY BLVD.

Deans face need for black faculty

(Continued from page 1)

ing in minorities," he said, "our success will snowball."

In the past eight years of affirmative action programs, however, the number of black faculty members at MIT has dropped from 22 to 16.

Science dean takes responsibility

Professor John M. Deutch '61, dean of the School of Science, last year took action "after concluding that the formal program was not successful," he said.

Deutch asked to separate his school from the central affirmative action process and take personal responsibility for increasing the number of minorities in his school. "The formal system diffuses the responsibility for inaction," and is thus ineffective, he said.

"I meet with department heads on a personal level to encourage their recruitment efforts," he said. Deutch also appointed a committee to monitor progress within the school.

Gerald L. Wilson '61, dean of the School of Engineering, and Hanham have initiated similar

programs in their respective schools.

"The problem with the affirmative action program was that there was no systematic approach to attack the problem," Hanham said. "Now there is an increased awareness in departments that we need to be concerned about this problem and know how to deal with it."

Deutch said he is remaining quiet about his program. "I have very modest expectations," he said. "Let's wait to see if I am successful."

Need to encourage students

The decentralization move is only one of many proposed solutions. "We should start with basics," Williams said, "by persuading minorities at both the undergraduate and graduate levels to enter fields where there is a need."

The problem essentially lies in the attitudes of those in positions of power, according to McLaurin. "If the creativity used by departments to rationalize certain selections were applied to getting more minorities, there would be no problem," he said.

Civil Engineering

Architecture

Electrical Engineering & Computer Science

Biology

Earth, Atmosphere & Planetary Science

Economics

Management

Green Hall

Linguistics & Philosophy

Westgate

The departments and living groups listed above do not have adequate representation on the Graduate Student Council. If you are interested in representing your fellow students on the Council please contact Anne St. Onge, ext. 3-2195 afternoons between 1:30 and 5:00 p.m. The GSC also has openings on the Academic Policy & Projects Committee, the Activities Committee and the Graduate magazine. The GSC has monthly meetings and deals with all issues and problems associated with graduate life and education. Do yourself and your department a favor and become involved.

Also, the next GSC lounge (Walker, 50-222). Come see what's happening!

BSU: Unite minorities

involvement of blacks in the community as issues of concern.

"We would certainly like to see more black professors," she said. "Role models should be available to us all. If we don't see someone like us in a higher position, we wonder what we're working for, what our goals are."

MITBSU also created a task force to advise the MIT Student Financial Aid Office on financial aid policy, according to Rennie. She said the office has to increase contact with minorities in order to ensure a distribution of aid that will support minority students.

Vernell Baker, a representative of Melvin H. King's Boston mayoral campaign, asked students to become involved in King's "Rainbow Coalition." He said, "Political involvement is what brought you here."

"Don't get too happy — or it'll all be gone," he continued. "An institution can make you forget who you are, and what you're doing. But you don't have to wait to get out to help your people."

William D. McLaurin, director of the MIT Office of Minority Education, said, "There are still challenges for minority students. The challenges are different from those in the past, but they still exist. The dream is still deferred."

McLaurin said that half the black students in high school do not graduate, that only eleven percent of those who graduate go to college, and that, once in college, a quarter never graduate.

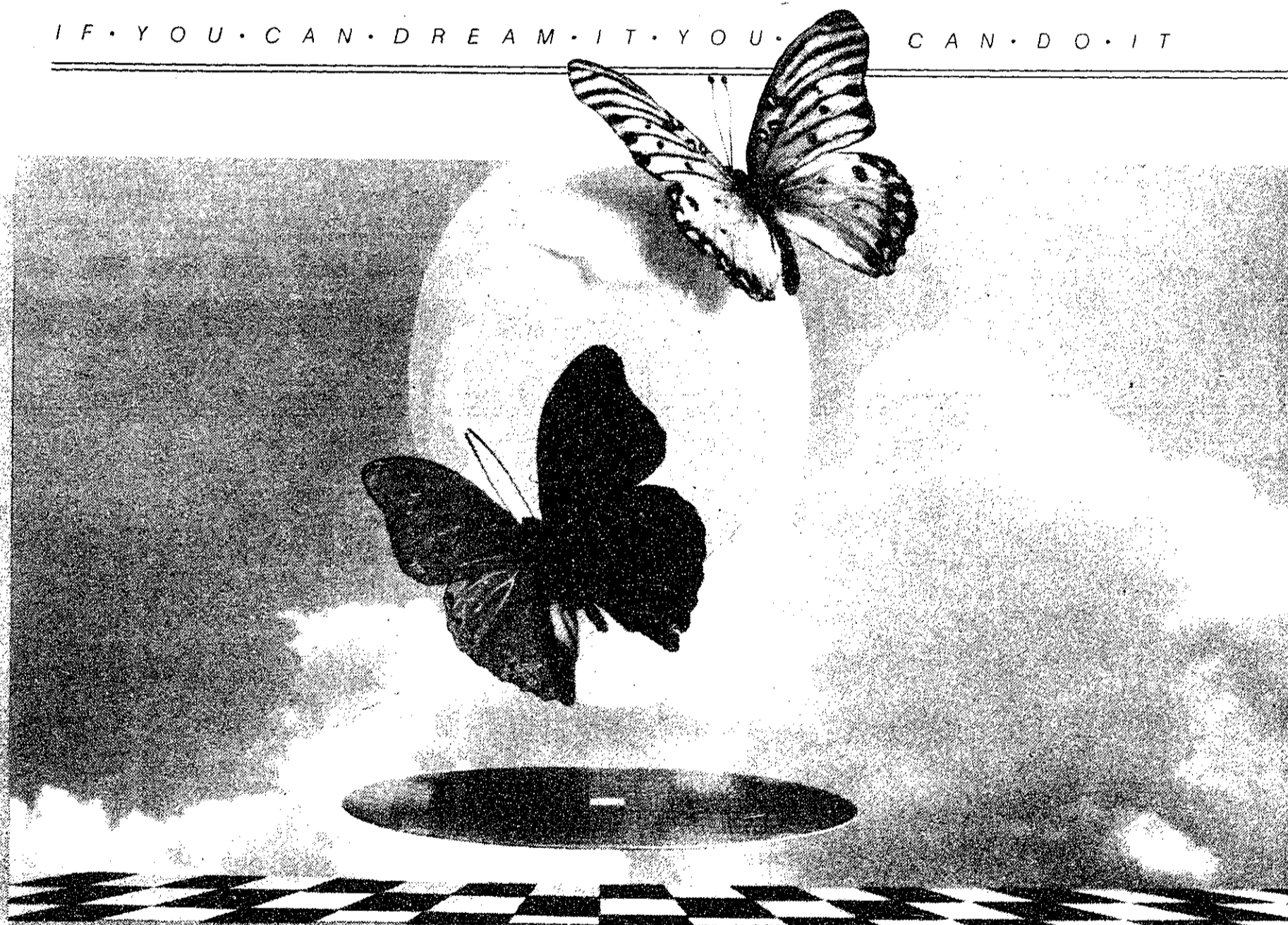
November: Flynn, King

(Continued from page 1)

Political analysts, however, had not expected King to become a finalist in the mayoral election until the final weeks of the race.

Turner's lecture, held in Huntington Hall (room 10-250), was sponsored by Tech Community Women. About 25 people attended.

IF • YOU • CAN • DREAM • IT • YOU • CAN • DO • IT



Expand the mind of the microchip.

Remember when electronic calculators were considered a luxury? Well, consider this sign seen recently outside a gasoline station in Schenectady, New York: "Free calculator with an oil change."

That's just one sign of the enormous impact microchips have had on the way we do everything — from banking to game-playing.

But how will we use microchips that are smarter, faster, more reliable, and less expensive to design? How will these new micro-

chips be used to improve systems, products, and processes? As one GE engineer puts it, "The sky's the limit!"

That sky is replete with a number of integrated circuit concepts that GE is applying right now.

There's the custom IC, a chip that performs highly specialized functions. Traditionally, creating this chip has been an expensive, time-consuming job. So we're working on ways to cut design time and cost.

We're using computer-aided design (CAD) to design and simulate chips right on computer screens. We're also developing gate arrays, a system that

allows you to build inexpensive prototype chips that can be "played" in systems before the final design is fixed.

Another area that GE is developing is VLSI (Very Large Scale Integrated) circuits. These ICs will eventually squeeze one million transistors onto a single chip.

Where will all this super electronic power be applied? GE engineering manager Don Paterson sees it this way:

"At GE you can innovate from the system down to the chip to create... whatever ignites your imagination."

In other words, you can dream it... and do it.



This space donated by The Tech



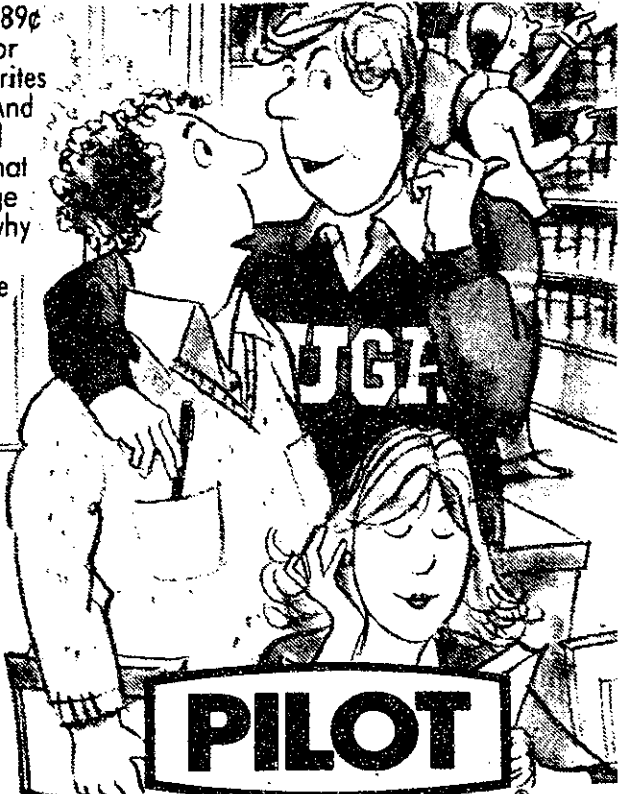
WE BRING GOOD THINGS TO LIFE

An equal opportunity employer.

EVERYONE IS PICKING UP ON PILOT PENS

WATCH OUT FOR THE STUDY HALL SNATCHERS

They know that the 89¢ extra fine Pilot Razor Point marker pen writes as smooth as silk. And the custom-fit metal collar helps keep that point extra fine page after page. That's why when it comes to a Razor Point, it's love at first write.



So thin... it's love at first write
National Sponsor of MDA/Jerry Lewis Telethon

HARVARD COOPERATIVE SOCIETY

the Coop

NOW-WE'LL PAY YOU TO ATTEND MEDICAL SCHOOL

In fact, we'll even pay you more than \$575 a month while you attend. That's in addition to paying for your full tuition and required books and fees.

It's all part of the Armed Forces Health Professions Scholarship Program. How does it work?

If you're selected for a Physician Scholarship—from the Army, Navy, or Air Force—you're commissioned as an officer in the Reserve.

While you're in school, you'll serve 45 days a year on active duty, gaining valuable medical experience. After graduation, you will serve three or more years, the length depending on the requirements of the Service selected and years of scholarship assistance received.

As an Armed Forces physician you'll receive officer's pay and benefits, and enjoy the advantages of working regular hours. You'll also see a diversity of patients and have opportunities to use sophisticated medical technology.

But most important, while you're in medical school we'll help pay the bills. For more information, send in the coupon. There's no obligation whatsoever.

Yes, I am interested in receiving more information about an Armed Forces Health Professions Scholarship. I understand there is no obligation. 9003

Mail this coupon to: Armed Forces Scholarships, P.O. Box C1776, Huntington Station, NY 11746

Check up to three: ARMY NAVY AIR FORCE

Please Print All Information Clearly and Completely:

Name _____ Male Female

Address _____ Apt. _____

City _____ State _____ Zip _____

Phone _____ Soc. Sec. No. _____
Area Code Number

College _____

Date of Graduation _____ Field of Study _____
Month Year

The information you voluntarily provide will be used for recruiting purposes only. The more complete it is, the better we can respond to your request. (Authority: 10, USC 503)

The deadliest animal



in the forest.

He causes 9 out of 10 forest fires because he's careless with matches, with smokes, and with campfires.

Don't you be careless. Please—only you can prevent forest fires.



5th Annual Career Fair

Sponsored by Society of Women Engineers
Sunday, Oct. 23 12-5pm Walker Memorial

Open to all of MIT Community

Come talk with company representatives about careers in science and engineering
Banquet with key note speaker on Oct.22 at the Hyatt

for further info. contact: Gaile Gordan dl-7175
or leave message at 3-2096

Companies represented:

- Aerospace Corp.
- ALCOA
- Amdahl
- Boit Beranek and Newman, inc.
- Codman and Shurtleff, Inc.
- Corning Glass Works
- Digital Equipment Corp.
- Draper Labs
- Eastman Kodak Co.
- E G & G, Idaho, Inc.
- Exxon
- Fairchild Camera & Instrument Corp.
- General Computer Corp.
- General Electric
- General Motors Corp.
- Harris Corp.
- Hewlett-Packard Co.
- Honeywell, Inc.
- Huges Aircraft Co.
- I B M Corp.

- Intermetrics, Inc.
- Itek Optical Systems Div.
- Jet Propulsion Laboratory
- Lawrence Livermore Laboratory
- Lutron Electronics Co., Inc.
- Mobil Research and Development
- MOSTEK
- National Broadcasting Corp.
- Norden systems, Inc.
- ROLM Corp.
- Sanders Associates, Inc.
- Signetics Corp.
- Shugart
- Standard Microsystems Corp.
- Texas Instruments
- Three Rivers Computer Corp.
- Union Carbide
- Wang Laboratories Inc.
- Xerox Corp.

Democrats discuss defense

Mondale said he argued for restraint and privately opposed the Carter administration's support of the MX missile and multiple independent re-entry vehicle (MIRV) warheads. The Senate's refusal to ratify SALT 2 is the United States' greatest failure in the realm of arms control, he added.

"People want to know about other issues," Hart countered. "People are worried about jobs, the environment, the education of their children, women's rights, and the country not going bankrupt for defense spending."

McGovern asserted that producing more than the minimum number of nuclear weapons needed for defense is wasteful. Elimination of the waste would save enormous sums of money. "Every round of escalation brings us closer to destruction," he said.

"We all want peace," Glenn said. The next president must make an "offer beyond good intentions. Arms control is not easy. We must be prepared to take difficult stands. . . . We must both defend liberty and keep peace."

Glenn said he opposed SALT 2 because it was not a verifiable treaty. He vowed to cut between \$12 billion and \$15 billion from the defense budget, including funding for the MX missile and the Rapid Deployment Force. "It's not rapid, it's not deployable, and it's not a force," he said.

Cranston said survivability depends on deterrence. America's triad of land-based missiles, bombers, and submarine-based missiles serve as sufficient deterrents to nuclear attack, he said.

Hart said stopping and reversing the nuclear arms race is of utmost importance and is the reason he is in public life. "Listen to the women, the wives, mothers, daughters and sisters when they tell us to restore morality to leadership," he urged.

"Arms control experts have failed us," Cranston charged. "There have been no ethical or moral considerations" concerning arms control, he claimed.

Glenn charged the Carter and Reagan administrations with not checking the spread of nuclear weapons through their failure to enforce the 1978 Nuclear Non-Proliferation Act. Arms reduction talks involving the United States, Soviet Union, and other nuclear powers would be beneficial, he said.

Mondale agreed and urged the institution of annual summits among leaders of nations with nuclear weapons.

Askew advocated a buildup of conventional forces as a deterrent superior to nuclear weapons.

Hollings concurred, saying the United States is "under-prepared for conventional war."

Defeating Ronald Reagan is the most important aspect of the next campaign, Hollings contin-

ued. "There can be no freeze with Ronald Reagan in office." Democrats must have a credible economic platform, including a "budget freeze," to oust Reagan, he said.

Cranston said it is wrong for candidates to present a "laundry list of promises. . . . The president must focus on one or two prime problems." His goals are to achieve full employment and to end the arms race, he said.

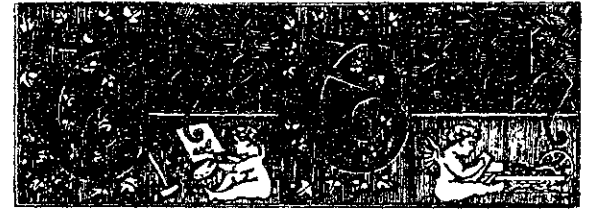
Public Policy and Management (M.A., Ph.D., & MBA)

University of Pennsylvania
Meet the Wharton Representative
Tuesday, Oct. 18 — 9-4:00
at the Career Planning Bldg.

Or write to:
Public Policy and Management

Wharton

The Wharton School
Philadelphia, PA 19104



A HUNDRED YEARS OF TRADITION

WHY PAY MORE?

**THRIFTY
RENT-A-CAR**

HARVARD SQUARE
876-8900

BOSTON
367-6777

CENTRAL SQUARE
492-3000

Plus 7 other suburban locations to serve you!

\$20.95

Per day for Chevrolet Chevette
UNLIMITED FREE MILEAGE
Confirmed reservation required.

Full Line of 1983 Chevrolets

"Never a
Mileage Charge"

HUGHES

THE JOURNEY HAS BEGUN

OPEN HOUSE

Come learn about the exciting work Hughes is performing in Radar Analysis/Design utilizing the disciplines of:

- Communication Theory
- Control Theory
- Digital Signal Processing
- Software Design
- Computer Science
- Circuit Design/Analysis
- Image Processing
- Pattern Recognition
- E & M Theory

Technical Managers and Engineers will be present.

Building 36, Room 156
Wednesday, Oct. 19, 1983, 4-6 PM
(refreshments will be served)
Campus Interviews Oct. 26, 1983

RADAR SYSTEMS GROUP

Creating a new world with electronics

HUGHES
HUGHES AIRCRAFT COMPANY

U.S. Citizenship Required for Employment
Equal Opportunity Employer

**SHARE
THE
COST
OF
LIVING.**

GIVE TO THE
AMERICAN
CANCER SOCIETY.

This space donated by *The Tech*

SINGLES WITH ADVANCED DEGREES

In Professional Academic or Research Careers (S.P.A.R.C.)

- Sunday October 16, wine and cheese party with live chamber music, 4:30-7 pm at One Longfellow Place, Boston. Admission \$8-11.
- TGIF Parties every Friday at Charles River Park Tennis Club Lounge, 35 Lomasney Way, 6-8:30 pm. Admission \$3-6.

Write: S.P.A.R.C. Box 8354 Boston, 02114
or call 367-0810 (leave address)

notes

Listings

Tuesday, October 25

The U.S. Department of Health and Human Services, in an effort to better inform the public about its activities (AIDS, teenage alcoholism, runaways, etc.), will hold a college media seminar in Room 2003 of the JFK Federal Building in Boston from 9 a.m. to 12:30 p.m.

Tuesday, November 1

Seniors who wish to apply for graduate work in the Department

of Electrical Engineering and Computer Science during 1984 are urged to apply by November 1. Applications may be picked up in Rooms 38-444 and 3-108.

Fees for student transcripts will no longer be accepted at the Bursar's Office. All transcript fees must be paid at the Cashier's Office, 10-180.

Friday, November 4

The film *The Secret Policeman's Other Ball* will be shown in a special benefit performance for Amnesty International at 7:50 p.m. at the Harvard Square Theater. For more information, call Mike Tamada, 277-7207.

CAREER WORKSHOP FOR INTERNATIONAL STUDENTS

"HOW TO DO WELL IN AN INTERVIEW"

Friday, October 14, 1983
M.I.T. Student Center, Mezzanine Lounge
3 — 5 p.m.

Jointly sponsored by the International Students Office and Office of Career Services at M.I.T. and counselling staff at other Boston-area colleges.

Wanted

Famous Pizza Restaurant Seeks Special Kind of Customers.

- Experience in enjoying deep dish pizza helpful, but not necessary.
- Should be able to differentiate between very high quality and just ordinary food.
- Appreciation of fine service and fun atmosphere a must.
- Big appetite okay — income unimportant.
- Good benefits for the right applicant.
- Apply in person and bring a friend.

Corner of Harvard St. and Comm. Ave. Allston
731 Boylston St., Boston
Daily 11-2AM

PIZZERIA
UNO
RESTAURANT & BAR

Rt. 9 Framingham
22 John F. Kennedy St.
Harvard Sq.
Daily 11-2AM

NEW Harvard Paperbacks

Richard Nixon

The Shaping of his Character
Fawn M. Brodie

"An absolutely brilliant book, packed with fresh material, vividly written and exciting to read." — Irving Wallace
\$8.95 Illustrated

Notable American Women

The Modern Period

Barbara Sicherman and Carol Hurd Green, Editors

Prepared under the auspices of Radcliffe College

The life stories of American women — 442 of them — who have in some way affected contemporary American life.

"A superb biographical dictionary." — *Newsweek*
Beiknap \$12.95 Illustrated

Prejudices

A Philosophical Dictionary

Robert Nisbet

"This is so rich a book that it ought to lie on important desks for years. There is no political, sociological or economic subject untouched by this stiletto-sharp mind. If you have a friend whose intellect you deeply respect, this is the gift." — *Boston Globe*
\$6.95

The Imperious Economy

David P. Calleo

A penetrating account of how America's own self deceptions and illusions are responsible for its decline as a world power.

"Elegant, thoughtful, and resolutely independent... It challenges all readers, whatever their intellectual biases or political affiliations, to re-examine their fundamental assumptions." — *Washington Post*
\$7.95

American Politics The Promise of Disharmony

Samuel P. Huntington

This persuasive book examines the persistent, radical gap between the promise of American ideals and the performance of American politics.

"An exceptional book... that will challenge and inform any reader interested in the American experience." — *Boston Globe*
Beiknap \$6.95

The United States and China

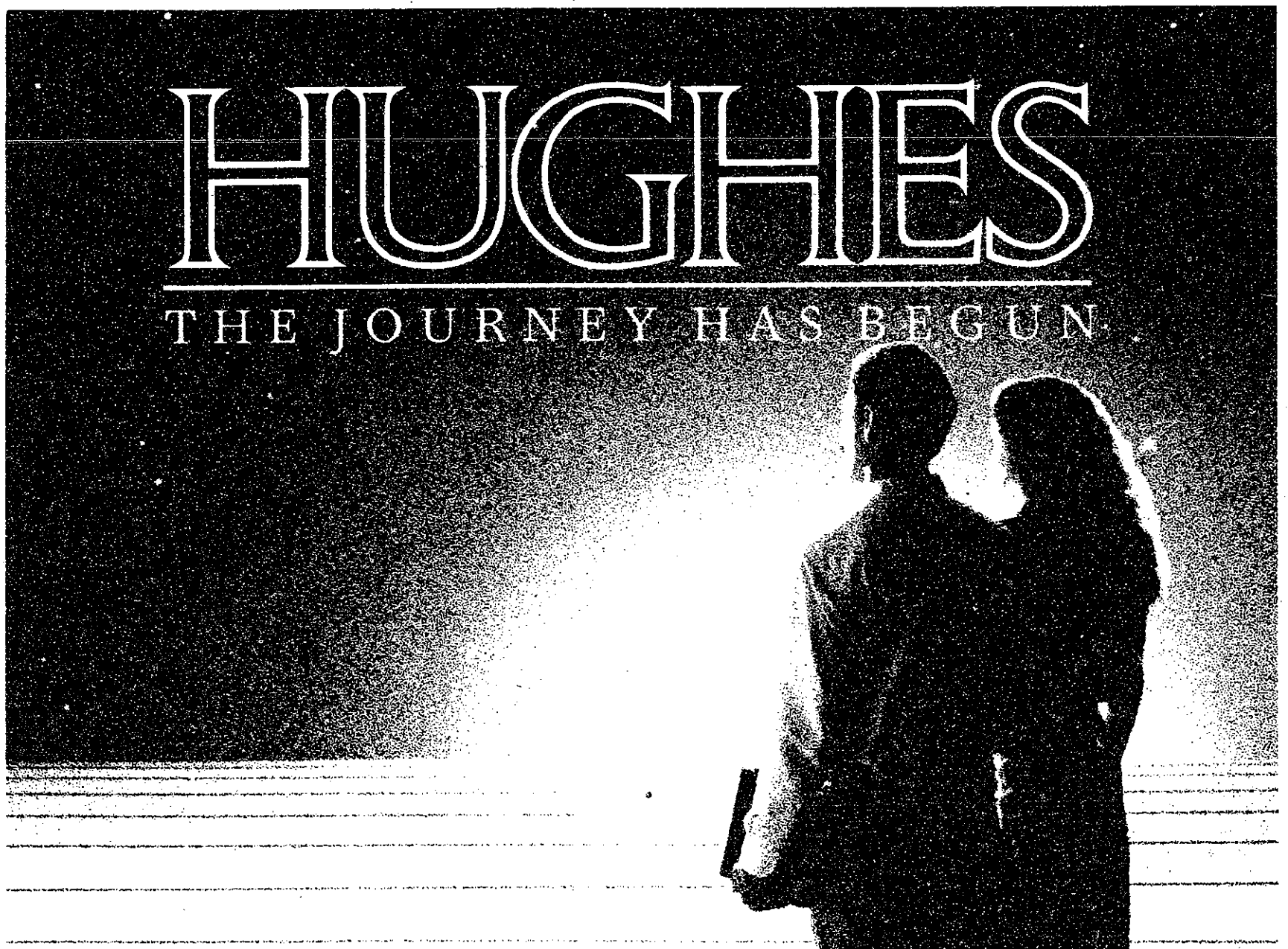
Fourth Edition, Revised and Enlarged

John King Fairbank

"An indispensable book for thoughtful people." — *New York Times*
\$7.95 Illustrated Book Review

Harvard Paperbacks

From Harvard University Press
Cambridge, Massachusetts 02138



An impressive technological journey began over three decades ago at Hughes Aircraft Company. Today, with more than 90 diverse technologies ranging from sub-micron electronics to large scale systems, you'll find Hughes people forging new discoveries, new futures.

Become part of the Hughes tradition of technological firsts, if your degree is in:

Electrical, Mechanical, Manufacturing or Industrial Engineering, Computer Science, Physics, Electronics Technology.

Requirements may vary. Check with your placement office about Hughes' company-wide opportunities at any one of 12 Southern California locations and Tucson, Arizona.

Hughes representatives will be on campus
October 26

(See your placement office for an appointment.)

Or contact Hughes Corporate College Relations, Dept. NC, Bldg. C2/B178, P.O. Box 1042, El Segundo, CA 90245.

Creating a new world with electronics

HUGHES

HUGHES AIRCRAFT COMPANY

Equal Opportunity Employer
Proof of U.S. Citizenship Required

ON CAMPUS

notes

Listings

Friday, November 11

Library Hours: Libraries (excepting Chemistry, CLSS, Archives, Microreproduction, MIT Museum, Resource Sharing, and Schering-Plough) will be on regular schedule on Veterans Day (Nov. 11). Library schedules for Thanksgiving break (Nov. 23 to 27) are posted in the libraries.

Announcements

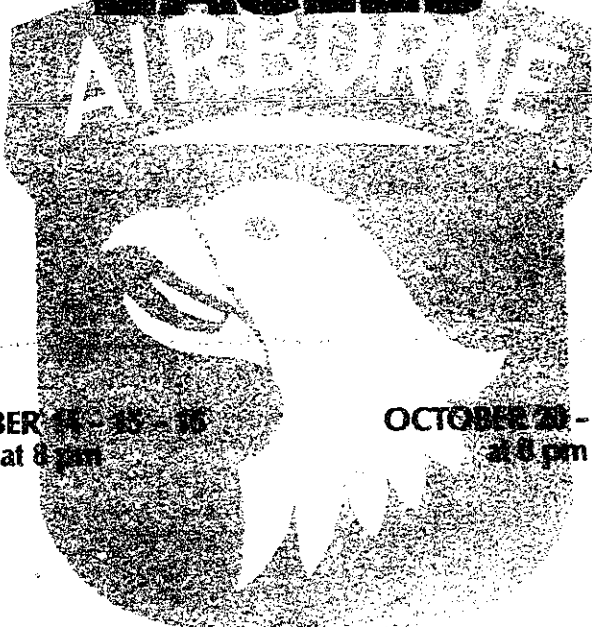
The Bursar's Office has announced that the hours for student services on loans will be 9 a.m. to 4 p.m., Monday through Friday. The Student Accounts Office hours will continue to be 9 a.m. to 4 p.m., Monday through Friday.

Ongoing

The MIT U.H.F. Repeater Association offers radio communications assistance to any MIT event free of charge. If you or your group are interested, contact Richard D. Thomas, room W20-401, or call 354-8262 for details.

The 23rd edition of *Serials in the MIT Libraries* is now available. This microfiche listing (published semiannually) of approximately 20,000 titles includes information on holdings, dates, call numbers, and title changes. The 23rd edition contains 675 new titles (840 alterations). Prepayment is required. The price is \$10.00; for MIT staff and students, \$3.00. To order send check payable to Massachusetts Institute of Technology, to: Office of the Director, Room 14S-216, MIT Libraries, Cambridge, MA 02139.

MIT COMMUNITY PLAYERS
present
WORLD PREMIERE
Shelby Buford, Jr.'s
SCREAMING EAGLES



OCTOBER 14 - 15 - 16
at 8 pm

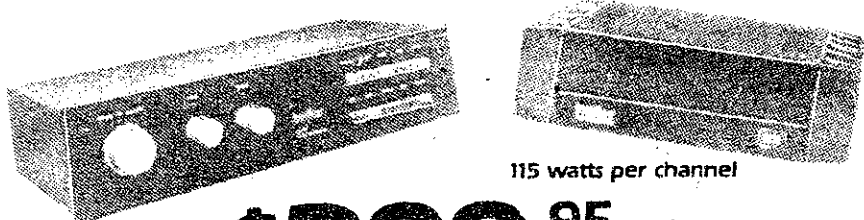
OCTOBER 20 - 21 - 22
at 8 pm

Directed by John Richey

Kresge Auditorium
TICKETS \$5.00/\$4.00 with MIT ID
FOR MORE INFORMATION CALL 253-2530

A WOLF IN SHEEP'S CLOTHING...

hafler



115 watts per channel
\$299.95 PAIR

An exclusive promotion from Q Audio presents the HAFLER DH200* power amplifier and DH101 preamplifier all new in kit form for \$299.95 the pair. Save over 40% from the nationally advertised price. Quantities limited. All new, sealed merchandise with complete manufacturer's warranty. Trade-ins considered. Cash or check only.

* Virtually a DH220 dressed in DH200 cosmetics. Black chassis, rounded fins. New higher voltage transformer. 115/115 watts. Utilizes all DH220 parts less polpropylene caps.



95 Vassar St.
Cambridge, MA
Mon-Fri 10-7 Sat 10-5

617-547-2727

Excitement!

This is the challenge you've waited for, trained for, hoped for.

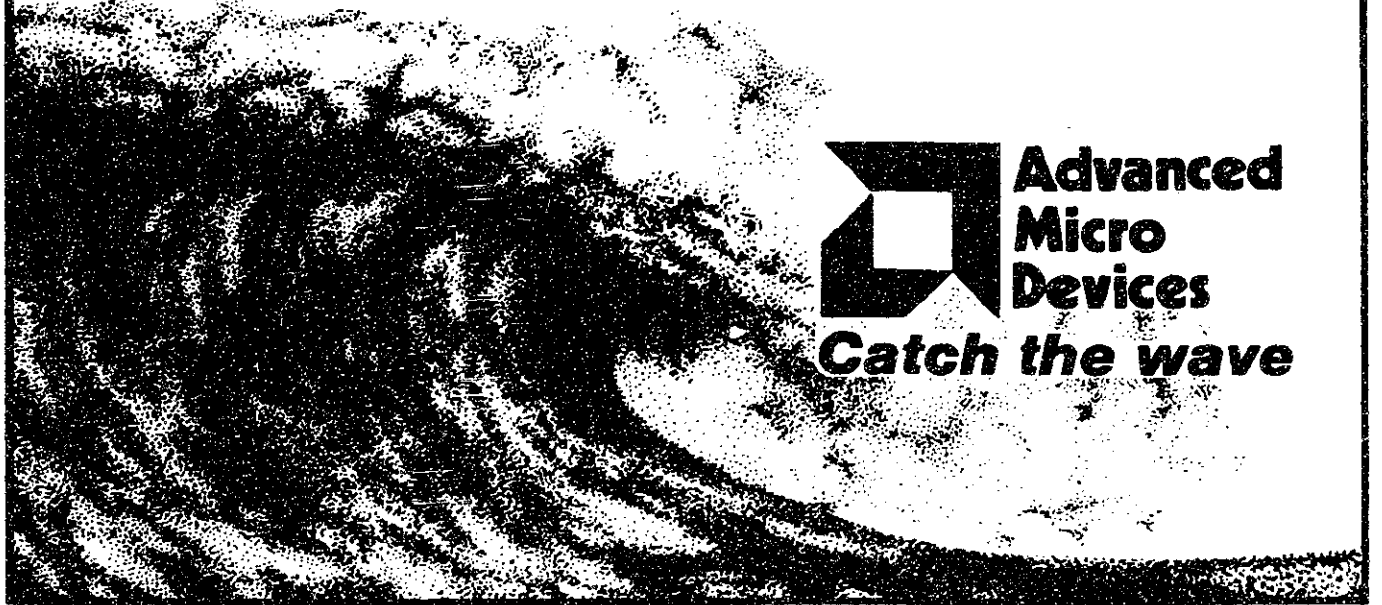
This is your chance to join the company that's on the leading edge of every high-performance technology in the semiconductor industry.

This is your opportunity to interview with Advanced Micro Devices.

Advanced Micro Devices
**Campus Interviews For Graduate/
Undergraduate in Electrical Engineering/
Computer Engineering/Computer Science**
October 25

AMD chose the wave as its symbol to show the excitement of fast advancing technology. We'll give you all the thrills your career can handle in exchange for your talent and ideas.

Sign up now at your Career Planning and Placement Center. If our schedule is full, send your resume to Barbara Toothman, Manager, College Recruiting, Dept. MIT1014, Advanced Micro Devices, 901 Thompson Place, Sunnyvale, CA 94086. An equal opportunity employer.



CHECK YOUR BRAKES BEFORE SOMETHING BAD HAPPENS!

Usually when something goes wrong on your car the only thing you have to worry about is "Where's the service station?" and "How much?"

But if your brakes go out, you may never know what happened. So have your brakes checked regularly. Watch for signs that could indicate problems, like a soft pedal or squeaky stops.

And when you have to get new ones be sure and ask for products by Bendix. It's the best known name in brakes.

Bendix products are featured at:



BRAKE KINGS

808 Memorial Dr.
Cambridge
864-1111

BRAKE AND FRONT END CENTERS

SAVE 10.00 OFF ANY REPAIR OVER \$100.00 — OR — \$5.00 OFF ANY REPAIR UNDER \$100.00

AMERICAN AND FOREIGN CAR SPECIALISTS
FREE WRITTEN ESTIMATES
NOT NEGOTIABLE FOR GASOLINE PURCHASES

FREE BRAKE CHECK
LIFETIME GUARANTEE



CUSTOMER NAME _____ PHONE _____
STREET _____
CITY _____ STATE _____ ZIP _____

VISIT BRAKE KINGS: THE KING OF BRAKES
25.00 Minimum Purchase — No Double Discounts

sports

Harriers make nationals

By Christopher Y. Kim

The men's cross country team placed second among twelve NCAA Division III schools eligible for qualifying for the Nationals and sixth of sixteen teams overall at the Codfish Bowl in Franklin Park Saturday.

Despite having only three individual runners place among the top thirty, the harriers' high finish again was due to their ability to run together as a team. Led by Mike Lyons '85 (25:49), the Engineers' top five runners of Lyons, Bill Bruno '85, Bill Mallet '86, Brian Callaghan '87 and Terry McNatt '87 finished within 36 seconds of each other over the eight-kilometer course.

Although only Bruno among the varsity runners set a personal record under the warm weather conditions, MIT coach Halston Taylor was still pleased with his team's continuing ability to run together.

Even though they do not currently have any individuals ranked among the top ten in the region, MIT has a very good chance of being one of the three New England teams to qualify for the Nationals because of its "pack running."

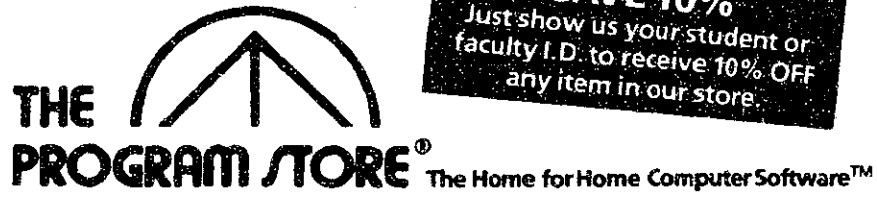
The Engineers will get another chance to test their team running Saturday at the Community College of Rhode Island Invitational.

SOFTWARE FOR ANYONE'S HARDWARE.

The Program Store® Harvard Square's "software only" center, has more software than anyone else in New England. Expert, unbiased advice on: word processing... educational and entertainment programs... financial applications. Also, printers... modems... disks... paper... books... magazines... everything a computer user could possibly ask for!

The Program Store has over 1,500 software titles in stock for the most popular personal computers; if we don't have what you need, we'll get it for you.

Whenever you need software or accessories for your personal computer, come to The Program Store. We'll make you AND your computer feel right at home.



SAVE 10%
Just show us your student or faculty I.D. to receive 10% OFF any item in our store.

THE PROGRAM STORE® The Home for Home Computer Software™
13 Dunster St., Cambridge, MA 02138 • Tel: (617) 491-6690

It Pays To Be A Member of The Coop

We are pleased to announce a

9.8%

Patronage Rebate

for all those Coop members entitled to a rebate for the year ending June 30, 1983

Rebate checks are available for distribution at our Harvard Square cashiers office on the third floor, main building, beginning

Thursday, October 13

Join the Coop!

Membership applications are available at any Coop store.



The Everett Moore Baker Memorial Foundation is now accepting nominations for

The Everett Moore Baker Memorial Award for Excellence in Undergraduate Teaching

The Everett Moore Baker Memorial Award for Excellence in Undergraduate Teaching was first presented twenty years ago, to recognize and encourage exceptional interest and ability in the instruction of undergraduates. The award is given to young faculty members, below the rank of full professor, who have demonstrated that they are truly interested in undergraduates, both in and out of the classroom. Past winners of the Baker Award include T. Alan Hattan, Frank Morgan, Alan J. Lazarus, Amar. G. Bosé, Charles E. Holt III, Daniel S. Kemp, Albert R. Gurney, Jr., William G. Thilly, Murray J. K. Biggs, and Woodie C. Flowers. This year's award, consisting of a \$1000 honorarium and a bronze medal, will be presented at the awards convocation in the spring.

Our colleges have placed too much emphasis on the imparting and gaining of knowledge and too little on developing opportunities for the acquisition of wisdom and understanding.
—Everett Moore Baker, 1950

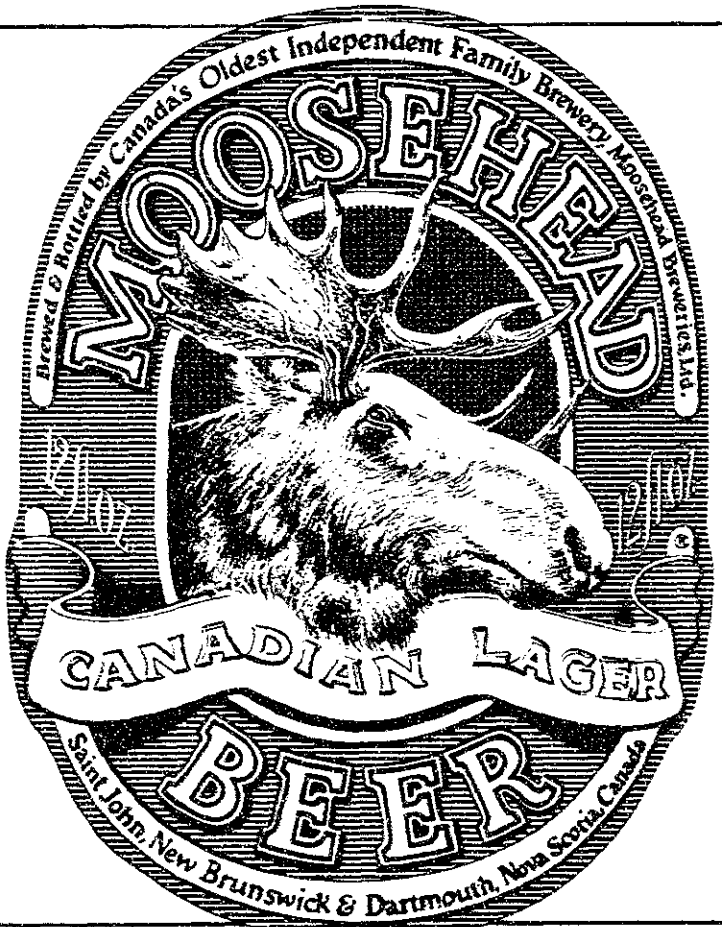
MIT faculty members from both fall and spring semesters below the rank of full professor are eligible to receive the award. All MIT undergraduate students are invited to submit letters of nomination to the Baker Foundation Committee, Room W20-401.

Nominations for fall professors must be received by Dec. 15, 1983

All Brands Importers Inc., New York, Sole U.S. Importer ©

THE MOOSE THAT ROARED

Imported Moosehead. Stands head and antlers above the rest.
BRAKE FOR MOOSEHEAD. WHEN YOU DRINK DON'T DRIVE.



sports

Shutout of UMass is record football victory

(Continued from page 20)

Richard Keefe pass on the next play.

Six plays later, Adams got the call and scored his second touchdown of the afternoon on a four-yard run.

The Beacons got their first first down of the contest at the beginning of the ensuing series on Gray's 14-yard run, but were unable to advance farther.

MIT took over at midfield and scored five plays later as fullback Dan Curran '85, usually called on in short-yardage situations, broke through the defense and raced 40 yards down the sideline for a touchdown. Hastings put the extra point on the board, and the Engineers coasted to a 41-0 win.

Smith noted after the game that, aside from not calling passing plays, there was little MIT could have done, with its shortage of players, to limit its offense: "It's tough when your reserves on offense are your defense."

The Engineers, now 2-2, are

now preparing for tomorrow's 1:30pm homecoming contest against Assumption, which is off to a slow start this year with a 1-3 record.

MIT 41, Beacons 0

MIT	7	20	14	0	—	41
UMass-Boston	0	0	0	0	—	0

MIT—Adams 25 run (Hastings kick)
 MIT—DeRubeis 13 pass from Broecker (kick failed)
 MIT—DeRubeis 36 pass from Broecker (Hastings kick)

MIT—Peakes 16 run (Hastings kick)
 MIT—Adams 4 run (Hastings kick)
 MIT—Curran 40 run (Hastings kick)
 Attendance—100

	MIT	UMass-Boston
First downs	16	4
Rushes-yards	54-299	24-33
Passing yards	117	15
Return yards	49	5
Plays	7-7-117	8-2-1
Fumbles	1-29	6-208
Fumbles-lost	0-0	2-1
Penalties-yards	7-94	6-40

Individual Leaders
 Rushing—UMass-Boston, Gray 19-55
 MIT, Bittman 12-72, Curran 8-68
 Passing—MIT, Broecker 7-7-0-117, UMass-Boston
 Keefe 7-2-1-15
 Receiving—MIT, DeRubeis 3-59

sports update

Baseball — finished its season with 5-3 losses to St. Anselm's and New Hampshire College at the Manchester Invitational Saturday.

Sailing — The men's teams finished third of seven at the Greater Boston Championships (Oberg Trophy) Saturday and topped 18 teams to win the Smith Trophy, hosted by MIT on Sunday. Also on Saturday, Jan Uygur '85 won seven of eight races to take the MIT Windsurfing Championships.

The women's team, meanwhile, went to New Haven and finished 12th of 15 at the Yale Inseasonal.

Soccer — The men's team travelled to Boston College Tuesday and were blanked 6-0. The squad is now 2-5-1.

Tennis — The women's team dropped to 6-3 with a 5-2 loss at the hands of Babson Thursday.

The men finished their season at 1-4 with a 5-4 loss to Clark on Friday.

Volleyball — The women's volleyball team rose to 17-0 by defeating Wellesley last night, 15-2, 15-6, and 15-8. Last weekend the team won the University of New Hampshire (UNH) Wildcat Classic for the second straight year. MIT defeated the University of Maine at Farmington, Boston College, UNH, and Harvard.

sporting notices

All MIT students are invited to attend panels with the MIT Visiting Committee on Athletics on Friday, October 21. The sessions will be held in the Varsity Club Lounge in duPont at the following times:

- 8:30 - 9:15am — student panel.
- 9:15am - noon — facilities, inter-collegiate programs, and physical education.
- 2:00 - 3:00pm — general discussion.

Any student wanting to participate formally in the morning panel on student needs and concerns should contact either the Athletic Department at x3-4497, or MIT Athletic Association president John Einhorn at 267-6091 or 536-3931 by Monday, October 17.

Squash Special!



DONNAY SQUASH SPECIAL!

TEAM 44 RACQUET

- Strung with multiflex • Double vulcanized fiber faces on the head
- Towelling grip

Reg. \$19.95 **\$14.88** SAVE 25%

GRAPHITE PRO RACQUET

- Strung with multiflex • Very stiff frame with Graphite used as overlay reinforcement • Full outside vulcanized fiber • Leather grip • Cover included

Reg. \$37.95 **\$24.88** SAVE 34%

PROFESSIONAL STRINGING BALLS • ACCESSORIES

CAMBRIDGE Open Sundays 12-5



The Ski Market

BOSTON 860 Commonwealth Avenue 731-6100
 CAMBRIDGE 57 JFK St. (Galeria Mall) 576-2520

10-8 Monday-Friday; 10-6 Saturday • MasterCard • Visa • American Express • Diners Club

WELCOME BACK
MIT ALUMNI

THIS BUD'S FOR YOU.



KING OF BEERS
ANHEUSER-BUSCH, INC. • ST. LOUIS

sports

Engineers' 41-0 victory best in history

By Martin Dickau

A rude welcome for the UMass-Boston Beacons (0-4), the latest entry in the New England Collegiate Football Conference, continued Saturday, as the Engineers trounced their hapless visitors 41-0. The margin of victory was the largest in MIT's history.

The Engineer defense, which has not allowed a point in its last nine quarters of play, continued to look strong, holding the Beacon offense to minus six yards overall in the first half and a mere 48 yards by game's end.

MIT's offensive display also overwhelmed the visitors from Dorchester. Quarterback Doug Broecker G was able to pass at will, making good on all seven of his attempts for a total of 117 yards, including two second-quarter touchdown passes to John DeRubeis G. The two scoring strikes tie MIT records for most touchdown passes and most touchdown receptions by a single player.

The Engineers' offensive dominance extended to the running game as four of its five leading rushers carried for more than 50 yards and scored four times.

MIT running back Chris Adams '87 started the scoring binge midway through the first quarter, capping a drive from the Engineers' 27 with a 25-yard scamper into the Beacons' end zone.

The hosts tallied three more times in the second period, once after successive penalties had them facing third down and goal from the Beacon 36. Broecker responded to the situation by lofting a pass to wide receiver DeRubeis, who outraced the lone defender to make the catch and score.

Earlier in the quarter Broecker and DeRubeis had connected on a 13-yard toss.

MIT head coach Dwight Smith, seeing just how porous was the Beacon secondary, did not let Broecker or his second-half replacement, Frank Griffith

'87, throw any more, but the ground game continued to flourish.

Dave Peakes '84 found a hole and ran 16 yards up the middle for a touchdown a little over a minute before the end of the first half. Tom Hastings G made his third extra point, and MIT had a 27-0 lead.

UMass-Boston opened the sec-

ond half on its own 19. Two rushes by sophomore halfback Doug Gray — the only Beacon to have non-negative rushing figures by game's end — made it look like the visitors might finally get somewhere against MIT's reserves, but Engineer defensive back John Dawley '87 quashed the drive when he intercepted a

(Please turn to page 19)

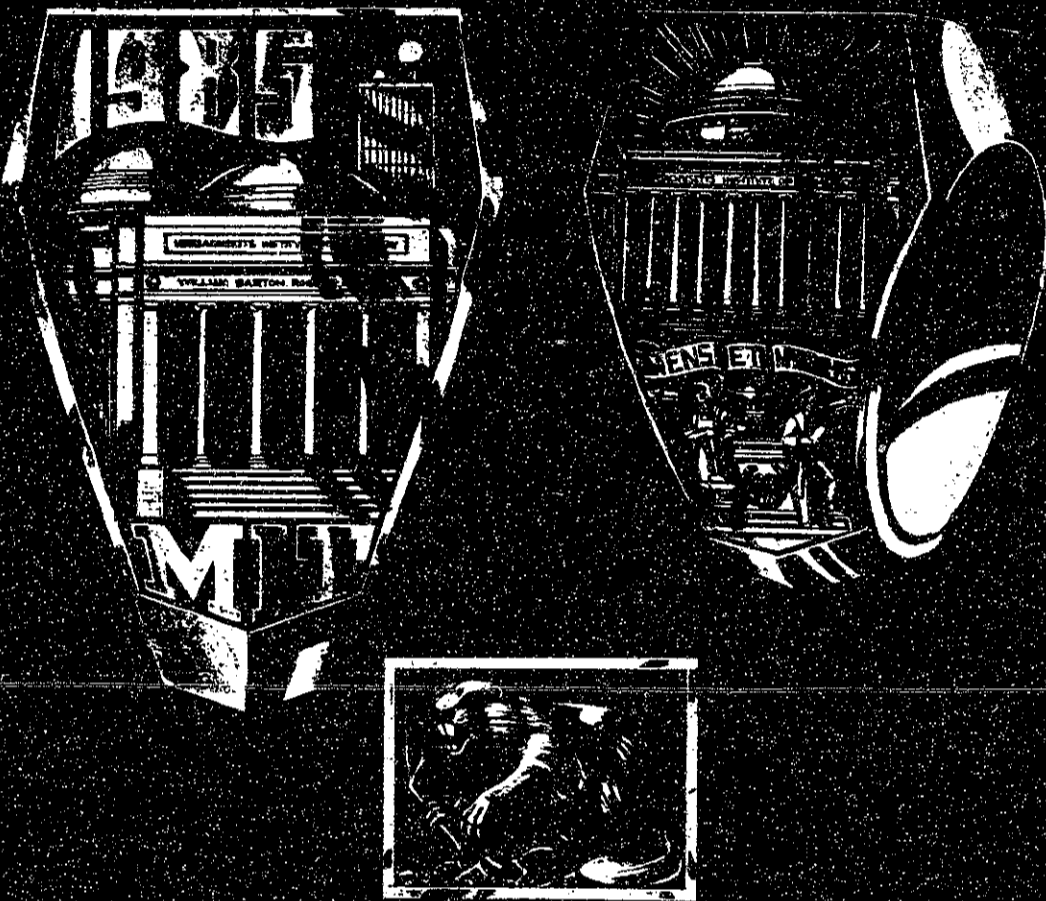
The Best Book Ever Written For Understanding Calculus Is:

How To Enjoy Calculus (With Computer Applications) by Pine.

Get Your Copy Now.

S.H.C. Publishing
Box 187 Dept. E
Hasbrouk Hts., N.J. 07604
\$7.95 plus \$1.00 postage.

MIT CLASS OF 1985 RING DAYS



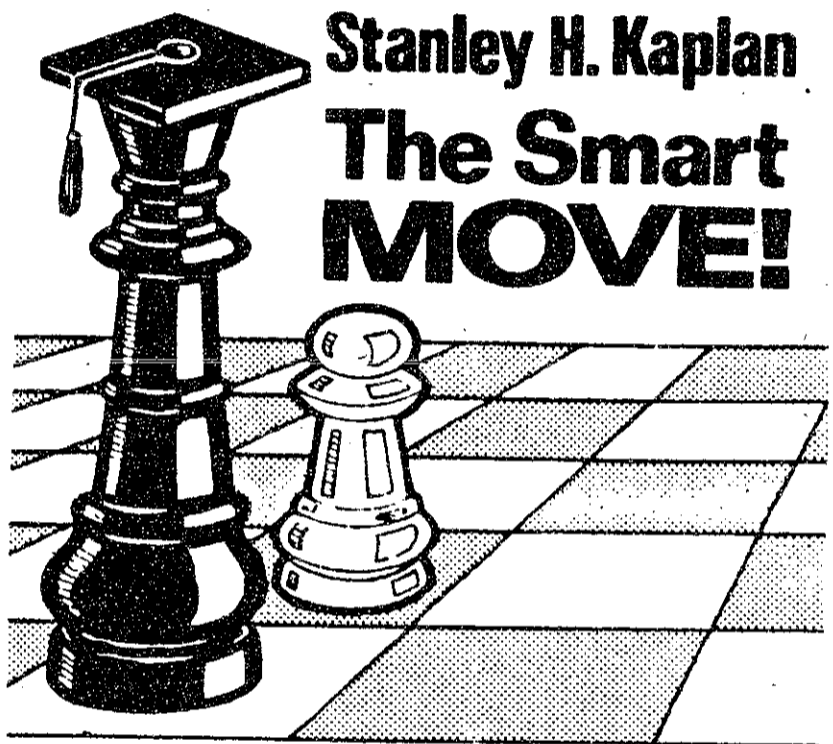
Order your Official 1985 MIT Class Ring from Josten's

Mon. & Tues. Oct. 17+ 18

in Lobby of Building 10
10:00 A.M. — 3:00 P.M.

Josten's

VISA MasterCard



Stanley H. Kaplan
The Smart
MOVE!

PREPARATION FOR:

GMAT • LSAT • GRE



Engineering, Math, Computer Science, Physics Grads:

Total Involvement-

It's yours, at Logicon.

From initial concept through completion, Logicon offers you the opportunity to put your talents at center stage and be an integral part of the entire creative process in a variety of software engineering and computer science areas.

We're the industry pacesetter in systems and software engineering, and as such, we can offer engineers, programmers, analysts, systems engineers and operations analysts unparalleled career opportunity and challenge. Our diverse range of government contracts allows you to tackle new problems and develop original solutions.

You'll work in a small team that's in direct contact with management so your efforts will be seen, recognized, and rewarded.

Visit with our representatives:
Tuesday, November 1, 1983

Logicon offers top working conditions in a modern 11-story building which overlooks the historic San Pedro Harbor. Our scientific environment is enhanced with private and semi-private offices and easy access to computer facilities. We also have other offices in Ohio, Utah, Colorado, Massachusetts, and Washington, D.C.

We're looking forward to meeting with you on the 11th. But if you are unable to attend, please send a resume or letter detailing your experience and career desires to:

Nancy Hancock
LOGICON
255 W. 5th Street, Dept. 82V
P.O. Box 471, San Pedro, CA 90733, (213) 831-0611
An Equal Opportunity Employer M/F/V/H

LOGICON

U.S. Citizenship
Required